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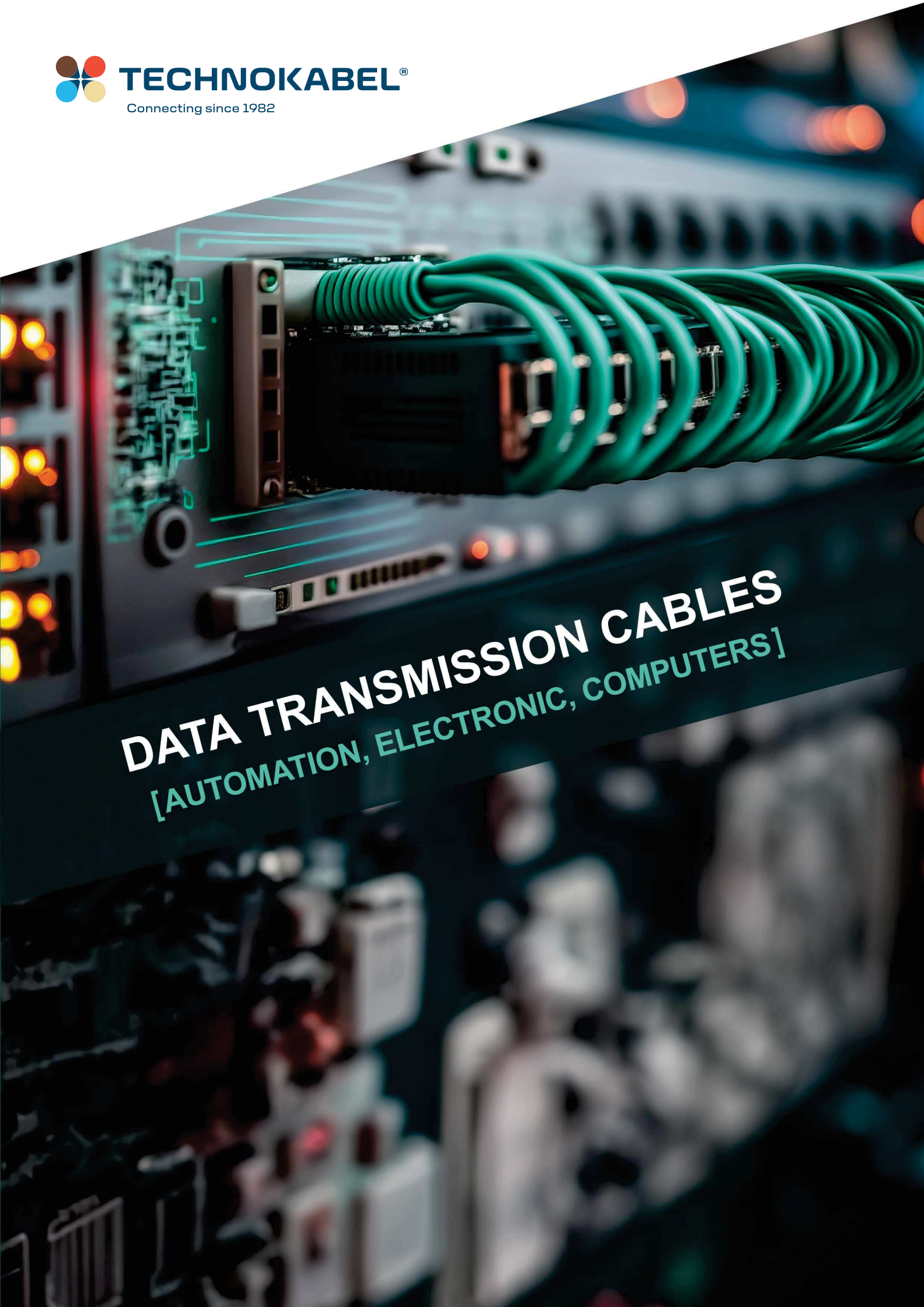

DATA TRANSMISSION CABLES

[AUTOMATION, ELECTRONIC, COMPUTERS]


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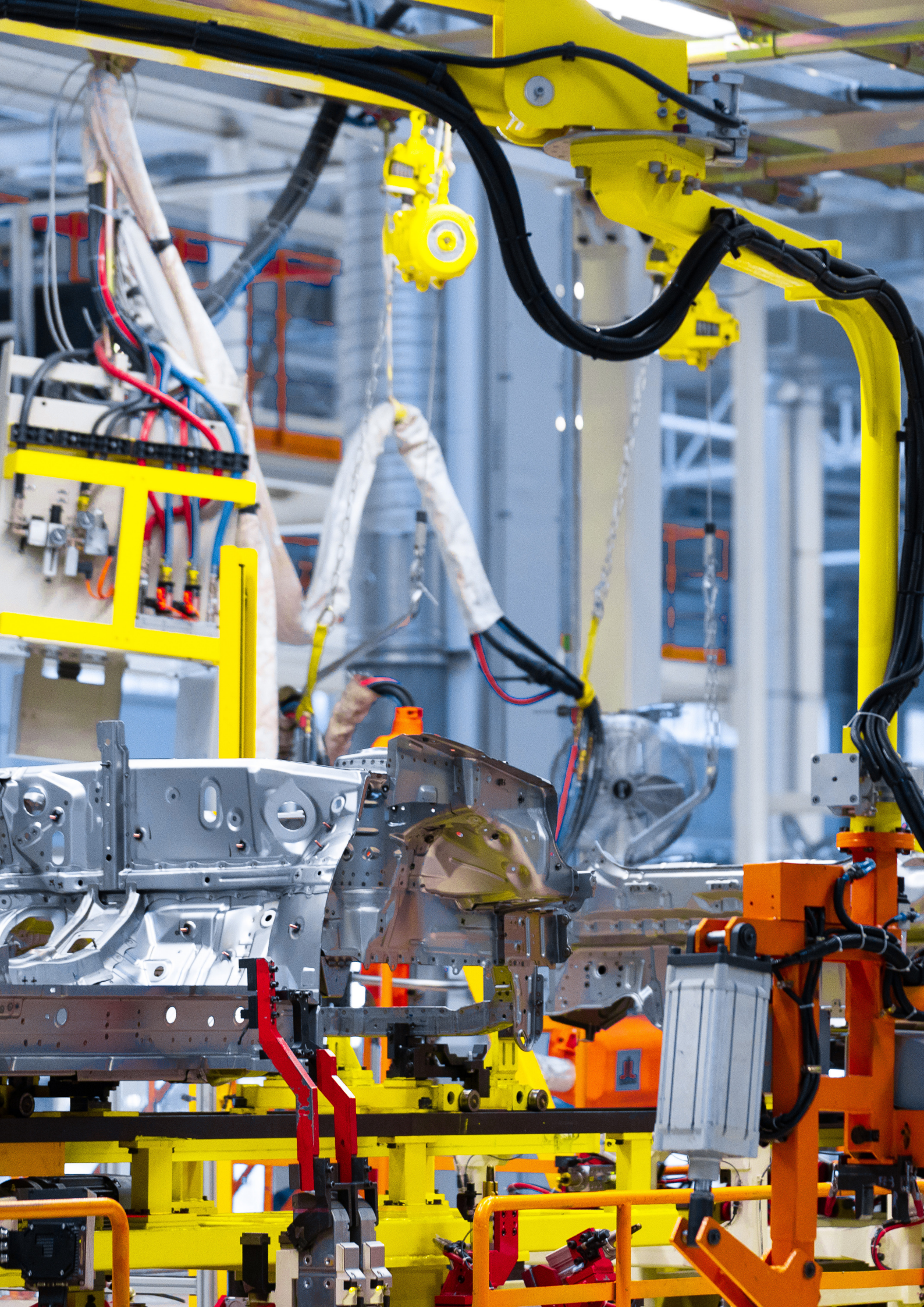
CONTENTS

2.3 Data transmission cables

2.4 BUS systems cables

2.5 EIB BUS cables (European Installation Bus)

2.6 Instrumentation cables



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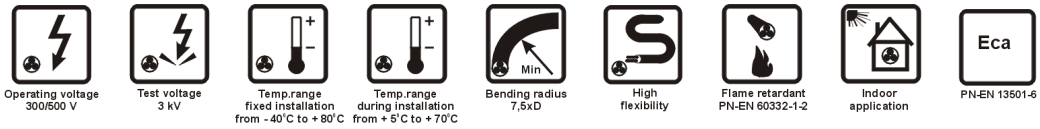
YSLY-JZ 300/500 V, YSLY-OZ 300/500 V, YSLY-JB 300/500 V, YSLY-OB 300/500 V



APPLICATIONS

YSLY-JZ 300/500 V, YSLY-OZ 300/500 V, YSLY-JB 300/500 V and **YSLY-OB 300/500 V** are flexible cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation, identification colour code:

  YSLY-OZ 300/500 V - black insulation and white conductor numbers printed on it,

  YSLY-OB 300/500 V – in accordance with PN-HD 308 standard,

  green-yellow protective conductor in **YSLY-JZ 300/500 V** and **YSLY-JB 300/500 V** cables,
- insulated conductors laid-up in layers in to a cable core,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

YSLY-JZ OR 300/500 V, YSLY-OZ OR 300/500 V, YSLY-JB OR 300/500 V and **YSLY-OB OR 300/500 V** – cables designed for frequent contact with petroleum prfromucts, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

HSLH-JZ 300/500 V, HSLH-OZ 300/500 V, HSLH-JB 300/500 V and **HSLH-OB 300/500 V** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

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RoHS COMPLIANT CE

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
YSLY-JZ 300/500 V				
1763 001	2 x 0,5	4.8	9.6	33
1763 002	3 x 0,5	5.1	14.4	40
1763 003	4 x 0,5	5.5	19.2	47
1763 004	5 x 0,5	6.2	24.0	60
1763 005	6 x 0,5	6.7	28.8	71
1763 006	7 x 0,5	6.7	33.6	73
1763 007	8 x 0,5	7.2	38.4	84
1763 008	10 x 0,5	8.3	48.0	102
1763 009	12 x 0,5	8.6	57.6	115
1763 010	14 x 0,5	9.2	67.2	133
1763 011	16 x 0,5	9.7	76.8	150
1763 012	18 x 0,5	10.2	86.4	167
1763 013	20 x 0,5	10.7	96.0	184
1763 014	21 x 0,5	10.7	100.8	186
1763 015	27 x 0,5	12.3	129.6	236
1763 016	30 x 0,5	12.7	144	256
1763 017	36 x 0,5	13.7	172.8	303
1763 018	40 x 0,5	14.2	192.0	329
1763 019	44 x 0,5	15.5	211.2	367
1763 020	48 x 0,5	15.8	230.4	393
1763 021	52 x 0,5	16.2	249.6	420
1763 022	56 x 0,5	16.7	268.8	450
1763 023	61 x 0,5	17.2	292.8	482
1763 024	2 x 0,75	5.2	14.4	41
1763 025	3 x 0,75	5.4	21.6	48
1763 026	4 x 0,75	6.1	28.8	61

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1763 027	5 x 0,75	6.6	36.0	74
1763 028	6 x 0,75	7.2	43.2	88
1763 029	7 x 0,75	7.2	50.4	91
1763 030	8 x 0,75	7.7	57.6	104
1763 031	10 x 0,75	9.2	72.0	132
1763 032	12 x 0,75	9.5	86.4	149
1763 033	14 x 0,75	10.0	100.8	169
1763 034	16 x 0,75	10.5	115.2	190
1763 035	18 x 0,75	11.1	129.6	213
1763 036	20 x 0,75	11.6	144.0	235
1763 037	21 x 0,75	11.6	151.2	238
1763 038	27 x 0,75	13.4	194.4	303
1763 039	30 x 0,75	13.8	216.0	330
1763 040	36 x 0,75	14.9	259.2	391
1763 041	40 x 0,75	15.7	288.0	433
1763 042	44 x 0,75	16.9	316.8	474
1763 043	48 x 0,75	17.2	345.6	509
1763 044	52 x 0,75	17.7	374.4	545
1763 045	56 x 0,75	18.4	403.2	592
1763 046	61 x 0,75	19.0	439.2	636
1763 047	2 x 1,0	5.5	19.2	48
1763 048	3 x 1,0	6.0	28.8	60
1763 049	4 x 1,0	6.6	38.4	74
1763 050	5 x 1,0	7.1	48.0	90
1763 051	6 x 1,0	7.7	57.6	106
1763 052	7 x 1,0	7.7	67.2	112
1763 053	8 x 1,0	8.3	76.8	128

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1763 054	10 x 1,0	9.9	96.0	162
1763 055	12 x 1,0	10.3	115.2	185
1763 056	14 x 1,0	10.8	134.4	209
1763 057	16 x 1,0	11.3	153.6	236
1763 058	18 x 1,0	12.2	172.8	269
1763 059	20 x 1,0	12.8	192.0	298
1763 060	21 x 1,0	12.8	201.6	303
1763 061	27 x 1,0	14.5	259.2	377
1763 062	30 x 1,0	15.2	288.0	419
1763 063	36 x 1,0	16.4	345.6	497
1763 064	40 x 1,0	17.0	384.0	542
1763 065	44 x 1,0	18.6	422.4	603
1763 066	48 x 1,0	18.9	460.8	647
1763 067	52 x 1,0	19.4	499.2	694
1763 068	56 x 1,0	20.0	537.6	744
1763 069	61 x 1,0	20.6	585.6	800
1763 070	2 x 1,5	6.7	28.8	70
1763 071	3 x 1,5	7.0	43.2	84
1763 072	4 x 1,5	7.7	57.6	104
1763 073	5 x 1,5	8.4	72.0	127
1763 074	6 x 1,5	9.3	86.4	155
1763 075	7 x 1,5	9.3	100.8	163
1763 076	8 x 1,5	10.1	115.2	188
1763 077	10 x 1,5	11.8	144.0	231
1763 078	12 x 1,5	12.4	172.8	270
1763 079	14 x 1,5	13.0	201.6	305
1763 080	16 x 1,5	13.8	230.4	347
1763 081	18 x 1,5	14.5	259.2	387
1763 082	20 x 1,5	15.5	288.0	437
1763 083	21 x 1,5	15.5	302.4	444
1763 084	27 x 1,5	17.6	388.8	555
1763 085	30 x 1,5	18.4	432.0	615
1763 086	36 x 1,5	19.9	518.4	731
1763 087	40 x 1,5	20.6	576.0	798
1763 088	44 x 1,5	22.5	633.6	885
1763 089	48 x 1,5	22.9	691.2	951
1763 090	52 x 1,5	23.6	748.8	1022
1763 091	56 x 1,5	24.5	806.4	1107
1763 092	61 x 1,5	25.2	878.4	1190

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1763 093	2 x 2,5	7.9	48.0	101
1763 094	3 x 2,5	8.4	72.0	126
1763 095	4 x 2,5	9.4	96.0	159
1763 096	5 x 2,5	10.3	120.0	196
1763 097	6 x 2,5	11.2	144.0	234
1763 098	7 x 2,5	11.2	168.0	247
1763 099	8 x 2,5	12.4	192.0	291
1763 100	10 x 2,5	14.5	240.0	359
1763 101	12 x 2,5	15.2	288.0	418
1763 102	14 x 2,5	16.0	336.0	475
1763 103	16 x 2,5	16.9	384.0	539
1763 104	18 x 2,5	17.9	432.0	605
1763 105	20 x 2,5	19.0	480.0	680
1763 106	21 x 2,5	19.0	504.0	691
1763 107	27 x 2,5	21.8	648.0	875
1763 108	30 x 2,5	22.6	720.0	959
1763 109	36 x 2,5	24.7	864.0	1155
1763 110	40 x 2,5	25.6	960.0	1261
1763 111	44 x 2,5	28.0	1056	1397
1763 112	48 x 2,5	28.5	1152	1504
1763 113	52 x 2,5	29.3	1248	1615
1763 114	56 x 2,5	30.2	1344	1734
1763 115	61 x 2,5	31.3	1464	1881
1763 116	2 x 4	9.1	76.8	142
1763 117	3 x 4	9.7	115.2	178
1763 118	4 x 4	10.6	153.6	221
1763 119	5 x 4	11.6	192.0	273
1763 120	7 x 4	12.9	268.8	355
1763 121	2 x 6	10.2	115.2	191
1763 122	3 x 6	10.8	172.8	242
1763 123	4 x 6	12.1	230.4	308
1763 124	5 x 6	13.3	288.0	383
1763 125	7 x 6	14.6	403.2	493
1763 126	2 x 10	13.2	192.0	326
1763 127	3 x 10	14.1	288.0	418
1763 128	4 x 10	15.7	384.0	530
1763 129	5 x 10	17.3	480.0	660
1763 130	7 x 10	19.2	672.0	864
1763 131	2 x 16	15.6	307.2	484

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RoHS COMPLIANT CE

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1763 132	3 x 16	16.6	460.8	625
1763 133	4 x 16	18.5	614.4	797
1763 134	5 x 16	20.4	768.0	995
1763 135	7 x 16	22.6	1075	1307
1763 136	2 x 25	17.9	480.0	679
1763 137	3 x 25	19.3	720.0	897
1763 138	4 x 25	21.6	960.0	1150
1763 139	5 x 25	23.8	1200	1435
1763 140	7 x 25	26.4	1680	1894
1763 141	2 x 35	21.4	672.0	958
1763 142	3 x 35	22.9	1008.0	1254
1763 143	4 x 35	25.5	1344	1601
1763 144	5 x 35	28.4	1680	2015
1763 145	7 x 35	31.4	2352	2654
1763 146	2 x 50	26.6	960.0	1425
1763 147	3 x 50	28.6	1440.0	1865
1763 148	4 x 50	31.9	1920	2377
1763 149	5 x 50	35.5	2400	2994
1763 150	7 x 50	39.2	3360	3926
	YSLY-OZ 300/500 V			
1764 001	2 x 0,5	4.8	9.6	33
1764 002	3 x 0,5	5.1	14.4	40
1764 003	4 x 0,5	5.5	19.2	47
1764 004	5 x 0,5	6.2	24.0	60
1764 005	7 x 0,5	6.7	33.6	73
1764 006	2 x 0,75	5.2	14.4	41
1764 007	3 x 0,75	5.4	21.6	48
1764 008	4 x 0,75	6.1	28.8	61
1764 009	5 x 0,75	6.6	36.0	74
1764 010	7 x 0,75	7.2	50.4	91
1764 011	2 x 1,0	5.5	19.2	48
1764 012	3 x 1,0	6.0	28.8	60
1764 013	4 x 1,0	6.6	38.4	74
1764 014	5 x 1,0	7.1	48.0	90
1764 015	7 x 1,0	7.7	67.2	112
1764 016	2 x 1,5	6.7	28.8	70
1764 017	3 x 1,5	7.0	43.2	84
1764 018	4 x 1,5	7.7	57.6	104
1764 019	5 x 1,5	8.4	72.0	127

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1764 020	7 x 1,5	9.3	100.8	163
1764 021	2 x 2,5	7.9	48.0	101
1764 022	3 x 2,5	8.4	72.0	126
1764 023	4 x 2,5	9.4	96.0	159
1764 024	5 x 2,5	10.3	120.0	196
1764 025	7 x 2,5	11.2	168.0	247
1764 026	2 x 4	9.1	76.8	142
1764 027	3 x 4	9.7	115.2	178
1764 028	4 x 4	10.6	153.6	221
1764 029	5 x 4	11.6	192.0	273
1764 030	7 x 4	12.9	268.8	355
1764 031	2 x 6	10.2	115.2	191
1764 032	3 x 6	10.8	172.8	242
1764 033	4 x 6	12.1	230.4	308
1764 034	5 x 6	13.3	288.0	383
1764 035	7 x 6	14.6	403.2	493
1764 036	2 x 10	13.2	192.0	326
1764 037	3 x 10	14.1	288.0	418
1764 038	4 x 10	15.7	384.0	530
1764 039	5 x 10	17.3	480.0	660
1764 040	7 x 10	19.2	672.0	864
1764 041	2 x 16	15.6	307.2	484
1764 042	3 x 16	16.6	460.8	625
1764 043	4 x 16	18.5	614.4	797
1764 044	5 x 16	20.4	768.0	995
1764 045	7 x 16	22.6	1075.2	1307
1764 046	2 x 25	17.9	480.0	679
1764 047	3 x 25	19.3	720.0	897
1764 048	4 x 25	21.6	960.0	1150
1764 049	5 x 25	23.8	1200	1435
1764 050	7 x 25	26.4	1680	1894
1764 051	2 x 35	21.4	672.0	958
1764 052	3 x 35	22.9	1008.0	1254
1764 053	4 x 35	25.5	1344	1601
1764 054	5 x 35	28.4	1680	2015
1764 055	7 x 35	31.4	2352	2654
1764 056	2 x 50	26.6	960.0	1425
1764 057	3 x 50	28.6	1440	1865
1764 058	4 x 50	31.9	1920	2377

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1764 059	5 x 50	35.5	2400	2994
1764 060	7 x 50	39.2	3360	3926
	YSLY-JB 300/500 V			
1765 001	3 x 0,5	5.1	14.4	40
1765 002	5 x 0,5	6.2	24.0	60
1765 003	3 x 0,75	5.4	21.6	48
1765 004	5 x 0,75	6.6	36.0	74
1765 005	3 x 1,0	6.0	28.8	60
1765 006	5 x 1,0	7.1	48.0	90
1765 007	3 x 1,5	7.0	43.2	84
1765 008	5 x 1,5	8.4	72.0	127
1765 009	3 x 2,5	8.4	72.0	126
1765 010	5 x 2,5	10.3	120.0	196
1765 011	3 x 4	9.7	115.2	178
1765 012	5 x 4	11.6	192.0	273
1765 013	3 x 6	10.8	172.8	242
1765 014	5 x 6	13.3	288.0	383
1765 015	3 x 10	14.1	288.0	418
1765 016	5 x 10	17.3	480.0	660
1765 017	3 x 16	16.6	460.8	625
1765 018	5 x 16	20.4	768.0	995
1765 019	3 x 25	19.3	720.0	897
1765 020	5 x 25	23.8	1200	1435
1765 022	5 x 35	28.4	1680	2015
1765 023	3 x 50	28.6	1440	1865
1765 024	5 x 50	35.5	2400	2994

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
	YSLY-OB 300/500 V			
1766 001	2 x 0,5	4.8	9.6	33
1766 002	4 x 0,5	5.5	19.2	47
1766 003	2 x 0,75	5.2	14.4	41
1766 004	4 x 0,75	6.1	28.8	61
1766 005	2 x 1,0	5.5	19.2	48
1766 006	4 x 1,0	6.6	38.4	74
1766 007	2 x 1,5	6.7	28.8	70
1766 008	4 x 1,5	7.7	57.6	104
1766 009	2 x 2,5	7.9	48.0	101
1766 010	4 x 2,5	9.4	96.0	159
1766 011	2 x 4	9.1	76.8	142
1766 012	4 x 4	10.6	153.6	221
1766 013	2 x 6	10.2	115.2	191
1766 014	4 x 6	12.1	230.4	308
1766 015	2 x 10	13.2	192.0	326
1766 016	4 x 10	15.7	384.0	530
1766 017	2 x 16	15.6	307.2	484
1766 018	4 x 16	18.5	614.4	797
1766 019	2 x 25	17.9	480.0	679
1766 020	4 x 25	21.6	960.0	1150
1766 021	2 x 35	21.4	672.0	958
1766 022	4 x 35	25.5	1344	1601
1766 023	2 x 50	26.6	960.0	1425
1766 024	4 x 50	31.9	1920	2377

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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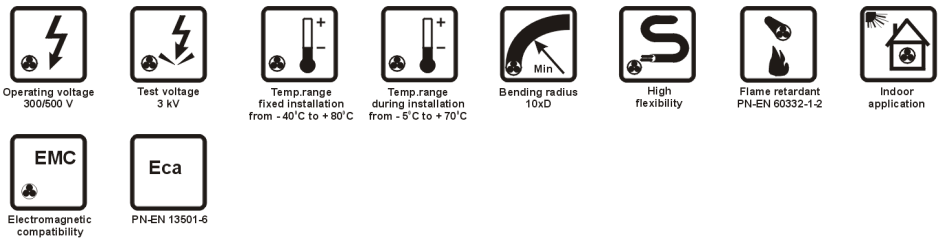
YSLCY-JZ 300/500 V, YSLCY-OZ 300/500 V, YSLCY-JB 300/500 V, YSLCY-OB 300/500 V



APPLICATIONS

YSLCY-JZ 300/500 V, YSLCY-OZ 300/500 V, YSLCY-JB 300/500 V and **YSLCY-OB 300/500 V** are flexible, overall shielded cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:

  YSLCY-OZ 300/500 V - black and white conductor number printed on it,

  YSLCY-OB 300/500 V - colours in accordance with PN-HD 308 standard,

  green-yellow protective conductor located in the outer layer in **YSLCY-JZ 300/500 V** and **YSLCY-JB 300/500 V** cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

YSLCY-JZ OR 300/500 V, YSLCY-OZ OR 300/500 V, YSLCY-JB OR 300/500 V and **YSLCY-OB OR 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

HSLCH-JZ 300/500 V, HSLCH-OZ 300/500 V, HSLCH-JB 300/500 V and **HSLCH-OB 300/500 V** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
	YSLCY-JZ 300/500 V			
1771 001	2 x 0,5	5.3	17.6	37
1771 002	3 x 0,5	5.6	22.5	44
1771 003	4 x 0,5	6.2	28.9	56
1771 004	5 x 0,5	6.7	33.7	66
1771 005	6 x 0,5	7.2	39.4	77
1771 006	7 x 0,5	7.2	44.2	80
1771 007	8 x 0,5	7.7	50.0	92
1771 008	10 x 0,5	9.1	65.9	117
1771 009	12 x 0,5	9.4	76.6	132
1771 010	14 x 0,5	9.8	87.0	147
1771 011	16 x 0,5	10.3	98.5	165
1771 012	18 x 0,5	10.8	108.7	182
1771 013	20 x 0,5	11.3	119.6	201
1771 014	21 x 0,5	11.3	124.4	203
1771 015	27 x 0,5	12.9	156.8	254
1771 016	30 x 0,5	13.3	172.3	275
1771 017	36 x 0,5	14.3	203.7	324
1771 018	40 x 0,5	14.8	224.1	352
1771 019	44 x 0,5	16.2	253.3	396
1771 020	48 x 0,5	16.5	273.8	424
1771 021	52 x 0,5	16.9	293.9	452
1771 022	56 x 0,5	17.4	314.7	483
1771 023	61 x 0,5	17.9	340.2	517
1771 024	2 x 0,75	5.7	22.5	43
1771 025	3 x 0,75	6.1	30.0	55
1771 026	4 x 0,75	6.6	38.5	67
1771 027	5 x 0,75	7.1	46.4	80
1771 028	6 x 0,75	7.7	54.8	95
1771 029	7 x 0,75	7.7	62.0	99
1771 030	8 x 0,75	8.3	74.0	117
1771 031	10 x 0,75	9.8	91.8	144
1771 032	12 x 0,75	10.1	106.9	163
1771 033	14 x 0,75	10.6	122.6	183
1771 034	16 x 0,75	11.1	138.3	206
1771 035	18 x 0,75	11.7	154.2	229
1771 036	20 x 0,75	12.4	169.9	258
1771 037	21 x 0,75	12.4	177.1	262
1771 038	27 x 0,75	14.0	224.5	322
1771 039	30 x 0,75	14.4	247.1	350

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1771 040	36 x 0,75	15.8	300.1	427
1771 041	40 x 0,75	16.4	330.8	465
1771 042	44 x 0,75	17.6	363.2	505
1771 043	48 x 0,75	17.9	393.0	542
1771 044	52 x 0,75	18.6	423.3	588
1771 045	56 x 0,75	19.1	453.7	628
1771 046	61 x 0,75	19.7	491.5	674
1771 047	2 x 1,0	6.2	28.9	53
1771 048	3 x 1,0	6.5	38.5	65
1771 049	4 x 1,0	7.1	48.8	79
1771 050	5 x 1,0	7.6	59.4	96
1771 051	6 x 1,0	8.3	74.0	118
1771 052	7 x 1,0	8.3	83.6	123
1771 053	8 x 1,0	9.1	94.7	145
1771 054	10 x 1,0	10.5	117.7	173
1771 055	12 x 1,0	10.9	137.8	198
1771 056	14 x 1,0	11.4	158.8	224
1771 057	16 x 1,0	12.1	178.8	257
1771 058	18 x 1,0	12.8	199.9	287
1771 059	20 x 1,0	13.4	220.5	317
1771 060	21 x 1,0	13.4	230.1	322
1771 061	27 x 1,0	15.4	298.8	410
1771 062	30 x 1,0	15.9	329.2	447
1771 063	36 x 1,0	17.1	390.5	528
1771 064	40 x 1,0	17.7	430.8	575
1771 065	44 x 1,0	19.3	473.5	635
1771 066	48 x 1,0	19.6	512.8	682
1771 067	52 x 1,0	20.1	552.8	730
1771 068	56 x 1,0	20.7	593.0	782
1771 069	61 x 1,0	21.5	642.9	848
1771 070	2 x 1,5	7.2	39.4	67
1771 071	3 x 1,5	7.5	54.4	84
1771 072	4 x 1,5	8.3	74.0	108
1771 073	5 x 1,5	9.2	91.0	136
1771 074	6 x 1,5	9.9	106.4	160
1771 075	7 x 1,5	9.9	120.8	167
1771 076	8 x 1,5	10.7	137.3	193
1771 077	10 x 1,5	12.6	170.5	237
1771 078	12 x 1,5	13.0	200.3	270

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1771 079	14 x 1,5	13.6	230.6	306
1771 080	16 x 1,5	14.4	261.5	346
1771 081	18 x 1,5	15.4	298.8	400
1771 082	20 x 1,5	16.2	330.1	443
1771 083	21 x 1,5	16.2	344.5	449
1771 084	27 x 1,5	18.5	437.4	563
1771 085	30 x 1,5	19.1	482.5	614
1771 086	36 x 1,5	20.6	573.5	727
1771 087	40 x 1,5	21.5	633.3	802
1771 088	44 x 1,5	23.4	718.8	896
1771 089	48 x 1,5	23.8	778.0	962
1771 090	52 x 1,5	24.7	838.6	1041
1771 091	56 x 1,5	25.4	899.1	1112
1771 092	61 x 1,5	26.1	974.0	1193
1771 093	2 x 2,5	8.5	64.9	95
1771 094	3 x 2,5	9.2	91.0	127
1771 095	4 x 2,5	10.0	116.2	156
1771 096	5 x 2,5	10.9	142.6	192
1771 097	6 x 2,5	11.8	168.9	229
1771 098	7 x 2,5	11.8	192.9	240
1771 099	8 x 2,5	13.0	219.5	283
1771 100	10 x 2,5	15.4	279.6	354
1771 101	12 x 2,5	15.9	329.2	405
1771 102	14 x 2,5	16.7	379.7	460
1771 103	16 x 2,5	17.6	430.4	522
1771 104	18 x 2,5	18.8	481.5	592
1771 105	20 x 2,5	19.7	532.3	657
1771 106	21 x 2,5	19.7	556.3	666
1771 107	27 x 2,5	22.5	708.4	836
1771 108	30 x 2,5	23.5	805.6	937
1771 109	36 x 2,5	25.6	957.6	1122
1771 110	40 x 2,5	26.5	1057	1220
1771 111	44 x 2,5	29.1	1191	1373
1771 112	48 x 2,5	29.6	1290	1475
1771 113	52 x 2,5	30.6	1390	1593
1771 114	56 x 2,5	31.5	1491	1706
1771 115	61 x 2,5	32.4	1615	1831
1771 116	2 x 4	9.7	96.3	133
1771 117	3 x 4	10.3	136.9	176

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1771 118	4 x 4	11.2	177.0	219
1771 119	5 x 4	12.4	217.9	278
1771 120	7 x 4	13.5	297.6	353
1771 121	2 x 6	10.8	137.5	177
1771 122	3 x 6	11.4	197.2	237
1771 123	4 x 6	12.7	257.5	306
1771 124	5 x 6	13.9	317.8	382
1771 125	7 x 6	15.5	443.2	506
1771 126	2 x 10	13.8	221.6	286
1771 127	3 x 10	14.7	319.9	390
1771 128	4 x 10	16.4	426.8	512
1771 129	5 x 10	18.0	527.9	642
1771 130	7 x 10	19.9	725.0	841
1771 131	2 x 16	16.3	349.6	427
1771 132	3 x 16	17.3	506.3	588
1771 133	4 x 16	19.2	665.2	763
1771 134	5 x 16	21.3	824.7	970
1771 135	7 x 16	23.5	1161	1290
1771 136	2 x 25	18.8	529.5	601
1771 137	3 x 25	20.0	773.3	838
1771 138	4 x 25	22.3	1020	1094
1771 139	5 x 25	24.9	1291	1410
1771 140	7 x 25	27.7	1808	1890
1771 141	2 x 35	22.1	731.2	823
1771 142	3 x 35	23.8	1095	1179
1771 143	4 x 35	26.4	1441	1531
1771 144	5 x 35	29.5	1817	1974
1771 145	7 x 35	32.5	2504	2607
	YSLCY-OZ 300/500 V			
1772 001	2 x 0,5	5.3	17.6	37
1772 002	3 x 0,5	5.6	22.5	44
1772 003	4 x 0,5	6.2	28.9	56
1772 004	5 x 0,5	6.7	33.7	66
1772 005	7 x 0,5	7.2	44.2	80
1772 006	2 x 0,75	5.7	22.5	43
1772 007	3 x 0,75	6.1	30.0	55
1772 008	4 x 0,75	6.6	38.5	67
1772 009	5 x 0,75	7.1	46.4	80
1772 010	7 x 0,75	7.7	62.0	99

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1772 011	2 x 1,0	6.2	28.9	53
1772 012	3 x 1,0	6.5	38.5	65
1772 013	4 x 1,0	7.1	48.8	79
1772 014	5 x 1,0	7.6	59.4	96
1772 015	7 x 1,0	8.3	83.6	123
1772 016	2 x 1,5	7.2	39.4	67
1772 017	3 x 1,5	7.5	54.4	84
1772 018	4 x 1,5	8.3	74.0	108
1772 019	5 x 1,5	9.2	91.0	136
1772 020	7 x 1,5	9.9	120.8	167
1772 021	2 x 2,5	8.5	64.9	95
1772 022	3 x 2,5	9.2	91.0	127
1772 023	4 x 2,5	10.0	116.2	156
1772 024	5 x 2,5	10.9	142.6	192
1772 025	7 x 2,5	11.8	192.9	240
1772 026	2 x 4	9.7	96.3	133
1772 027	3 x 4	10.3	136.9	176
1772 028	4 x 4	11.2	177.0	219
1772 029	5 x 4	12.4	217.9	278
1772 030	7 x 4	13.5	297.6	353
1772 031	2 x 6	10.8	137.5	177
1772 032	3 x 6	11.4	197.2	237
1772 033	4 x 6	12.7	257.5	306
1772 034	5 x 6	13.9	317.8	382
1772 035	7 x 6	15.5	443.2	506
1772 036	2 x 10	13.8	221.6	286
1772 037	3 x 10	14.7	319.9	390
1772 038	4 x 10	16.4	426.8	512
1772 039	5 x 10	18.0	527.9	642
1772 040	7 x 10	19.9	725.0	841
1772 041	2 x 16	16.3	349.6	427
1772 042	3 x 16	17.3	506.3	588
1772 043	4 x 16	19.2	665.2	763
1772 044	5 x 16	21.3	824.7	970
1772 045	7 x 16	23.5	1161	1290
1772 046	2 x 25	18.8	529.5	601
1772 047	3 x 25	20.0	773.3	838
1772 048	4 x 25	22.3	1020	1094
1772 049	5 x 25	24.9	1291	1410

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1772 050	7 x 25	27.7	1807.6	1890
1772 051	2 x 35	22.1	731.2	823
1772 052	3 x 35	23.8	1095	1179
1772 053	4 x 35	26.4	1441	1531
1772 054	5 x 35	29.5	1817	1974
1772 055	7 x 35	32.5	2504	2607
YSLCY-JB 300/500 V				
1773 001	3 x 0,5	5.6	22.5	44
1773 002	5 x 0,5	6.7	33.7	66
1773 003	3 x 0,75	6.1	30.0	55
1773 004	5 x 0,75	7.1	46.4	80
1773 005	3 x 1,0	6.5	38.5	65
1773 006	5 x 1,0	7.6	59.4	96
1773 007	3 x 1,5	7.5	54.4	84
1773 008	5 x 1,5	9.2	91.0	136
1773 009	3 x 2,5	9.2	91.0	127
1773 010	5 x 2,5	10.9	142.6	192
1773 011	3 x 4	10.3	136.9	176
1773 012	5 x 4	12.4	217.9	278
1773 013	3 x 6	11.4	197.2	237
1773 014	5 x 6	13.9	317.8	382
1773 015	3 x 10	14.7	319.9	390
1773 016	5 x 10	18.0	527.9	642
1773 017	3 x 16	17.3	506.3	588
1773 018	5 x 16	21.3	824.7	970
1773 019	3 x 25	20.0	773.3	838
1773 020	5 x 25	24.9	1291	1410
1773 021	3 x 35	23.8	1095	1179
1773 022	5 x 35	29.5	1817	1974
YSLCY-OB 300/500 V				
1774 001	2 x 0,5	5.3	17.6	37
1774 002	4 x 0,5	6.2	28.9	56
1774 003	2 x 0,75	5.7	22.5	43
1774 004	4 x 0,75	6.6	38.5	67
1774 005	2 x 1,0	6.2	28.9	53
1774 006	4 x 1,0	7.1	48.8	79
1774 007	2 x 1,5	7.2	39.4	67
1774 008	4 x 1,5	8.3	74.0	108
1774 009	2 x 2,5	8.5	64.9	95
1774 010	4 x 2,5	10.0	116.2	156
1774 011	2 x 4	9.7	96.3	133
1774 012	4 x 4	11.2	177.0	219
1774 013	2 x 6	10.8	137.5	177
1774 014	4 x 6	12.7	257.5	306
1774 015	2 x 10	13.8	221.6	286
1774 016	4 x 10	16.4	426.8	512
1774 017	2 x 16	16.3	349.6	427
1774 018	4 x 16	19.2	665.2	763
1774 019	2 x 25	18.8	529.5	601
1774 020	4 x 25	22.3	1020	1094
1774 021	2 x 35	22.1	731.2	823
1774 022	4 x 35	26.4	1441	1531

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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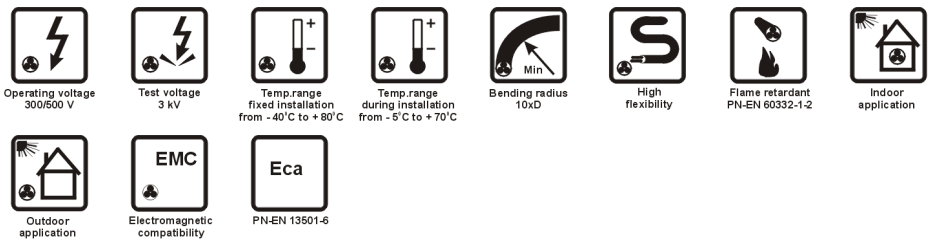
YSLYCY-JZ 300/500 V, YSLYCY-OZ 300/500 V, YSLYCY-JB 300/500 V, YSLYCY-OB 300/500 V



APPLICATIONS

YSLYCY-JZ 300/500 V, YSLYCY-OZ 300/500 V, YSLYCY-JB 300/500 V and **YSLYCY-OB 300/500 V** are flexible, overall shielded cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

Cable inner sheath offers enhanced protection against mechanical damage.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor and outdoor installations connecting fixed and movable equipment. UV radiation protection is required for outdoor installations.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:

  YSLYCY-OZ 300/500 V - black and white conductor number printed on it,

  YSLYCY-OB 300/500 V - colours in accordance with PN-HD 308 standard,

  green-yellow protective conductor located in the outer layer in **YSLYCY-JZ 300/500 V** and **YSLYCY-JB 300/500 V** cable,
- insulated conductors laid-up in layers,
- inner PVC sheath,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

YSLYCY-JZ OR 300/500 V, YSLYCY-OZ OR 300/500 V, YSLYCY-JB OR 300/500 V and **YSLYCY-OB OR 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

YSLYSY-JZ 300/500 V, YSLYSY-OZ 300/500 V, YSLYSY-JB 300/500 V and **YSLYSY-OB 300/500 V** – cables of enhanced protection against mechanical damage, shielded with zinc-plated steel wire braid.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
YSLYCY-JZ 300/500 V				
1767 001	2 x 0,5	6.5	19.3	54
1767 002	3 x 0,5	6.8	24.2	63
1767 003	4 x 0,5	7.2	29.8	72
1767 004	5 x 0,5	7.7	35.6	85
1767 005	6 x 0,5	8.5	45.7	105
1767 006	7 x 0,5	8.5	50.5	107
1767 007	8 x 0,5	9.2	57.4	123
1767 008	10 x 0,5	10.3	69.7	146
1767 009	12 x 0,5	10.6	79.4	161
1767 010	14 x 0,5	11.0	90.1	177
1767 011	16 x 0,5	11.5	101.2	197
1767 012	18 x 0,5	12.2	111.8	221
1767 013	20 x 0,5	12.9	123.2	247
1767 014	21 x 0,5	12.9	128.0	247
1767 015	27 x 0,5	14.3	160.5	300
1767 016	30 x 0,5	14.7	175.9	323
1767 017	36 x 0,5	16.0	214.3	388
1767 018	40 x 0,5	16.7	235.7	423
1767 019	44 x 0,5	17.8	258.3	461
1767 020	48 x 0,5	18.3	278.4	497
1767 021	52 x 0,5	18.7	298.8	527
1767 022	56 x 0,5	19.2	319.6	560

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1767 023	61 x 0,5	19.7	345.1	596
1767 024	2 x 0,75	6.9	24.4	62
1767 025	3 x 0,75	7.1	32.0	72
1767 026	4 x 0,75	7.6	40.2	85
1767 027	5 x 0,75	8.1	48.4	100
1767 028	6 x 0,75	9.2	62.2	129
1767 029	7 x 0,75	9.2	69.4	133
1767 030	8 x 0,75	9.7	77.1	145
1767 031	10 x 0,75	11.0	94.9	175
1767 032	12 x 0,75	11.3	110.0	195
1767 033	14 x 0,75	11.8	125.7	217
1767 034	16 x 0,75	12.7	142.3	253
1767 035	18 x 0,75	13.3	157.9	278
1767 036	20 x 0,75	13.8	173.6	303
1767 037	21 x 0,75	13.8	180.8	305
1767 038	27 x 0,75	15.7	235.0	387
1767 039	30 x 0,75	16.3	258.4	424
1767 040	36 x 0,75	17.4	305.1	493
1767 041	40 x 0,75	18.0	335.9	530
1767 042	44 x 0,75	19.4	368.2	587
1767 043	48 x 0,75	19.7	397.9	624
1767 044	52 x 0,75	20.4	429.0	674
1767 045	56 x 0,75	20.9	459.2	716

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1767 046	61 x 0,75	21.7	497.1	774
1767 047	2 x 1,0	7.2	29.8	69
1767 048	3 x 1,0	7.5	40.0	83
1767 049	4 x 1,0	8.1	50.8	99
1767 050	5 x 1,0	9.1	65.9	129
1767 051	6 x 1,0	9.7	77.1	149
1767 052	7 x 1,0	9.7	86.7	154
1767 053	8 x 1,0	10.3	98.5	172
1767 054	10 x 1,0	11.7	120.6	207
1767 055	12 x 1,0	12.5	141.4	244
1767 056	14 x 1,0	13.0	161.9	271
1767 057	16 x 1,0	13.5	182.4	301
1767 058	18 x 1,0	14.2	203.4	333
1767 059	20 x 1,0	14.8	224.1	365
1767 060	21 x 1,0	14.8	233.7	367
1767 061	27 x 1,0	17.0	303.8	474
1767 062	30 x 1,0	17.5	334.1	513
1767 063	36 x 1,0	18.9	395.5	607
1767 064	40 x 1,0	19.5	435.7	653
1767 065	44 x 1,0	21.3	479.1	733
1767 066	48 x 1,0	21.6	518.4	781
1767 067	52 x 1,0	22.1	558.4	832
1767 068	56 x 1,0	22.9	620.6	908
1767 069	61 x 1,0	23.5	671.2	969
1767 070	2 x 1,5	8.5	45.7	96
1767 071	3 x 1,5	8.8	60.9	116
1767 072	4 x 1,5	9.7	77.1	143
1767 073	5 x 1,5	10.4	93.7	171
1767 074	6 x 1,5	11.1	109.5	197
1767 075	7 x 1,5	11.1	123.9	206
1767 076	8 x 1,5	12.1	140.4	236
1767 077	10 x 1,5	14.0	174.1	292
1767 078	12 x 1,5	14.4	203.9	330
1767 079	14 x 1,5	15.3	241.0	382
1767 080	16 x 1,5	16.3	272.8	436
1767 081	18 x 1,5	17.0	303.8	481
1767 082	20 x 1,5	17.8	335.1	530
1767 083	21 x 1,5	17.8	349.5	533
1767 084	27 x 1,5	20.3	443.0	675

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1767 085	30 x 1,5	20.9	488.0	732
1767 086	36 x 1,5	22.8	601.1	890
1767 087	40 x 1,5	23.5	661.6	958
1767 088	44 x 1,5	25.6	727.2	1071
1767 089	48 x 1,5	26.0	786.4	1143
1767 090	52 x 1,5	26.9	873.2	1245
1767 091	56 x 1,5	27.8	934.4	1338
1767 092	61 x 1,5	28.7	1011	1442
1767 093	2 x 2,5	10.1	68.5	135
1767 094	3 x 2,5	10.6	93.8	167
1767 095	4 x 2,5	11.4	120.4	202
1767 096	5 x 2,5	12.7	147.1	255
1767 097	6 x 2,5	13.7	173.3	299
1767 098	7 x 2,5	13.7	197.3	313
1767 099	8 x 2,5	14.6	223.6	350
1767 100	10 x 2,5	17.4	285.9	451
1767 101	12 x 2,5	17.9	335.4	512
1767 102	14 x 2,5	18.9	385.9	584
1767 103	16 x 2,5	20.0	437.3	664
1767 104	18 x 2,5	21.0	488.4	737
1767 105	20 x 2,5	22.1	539.2	822
1767 106	21 x 2,5	22.1	563.2	827
1767 107	27 x 2,5	25.4	740.7	1072
1767 108	30 x 2,5	26.3	816.5	1166
1767 109	36 x 2,5	28.7	996.9	1422
1767 110	40 x 2,5	29.7	1098	1534
1767 111	44 x 2,5	32.3	1207	1708
1767 112	48 x 2,5	32.8	1305	1826
1767 113	52 x 2,5	33.8	1406	1963
1767 114	56 x 2,5	34.8	1507	2096
1767 115	61 x 2,5	35.9	1633	2258
1767 116	2 x 4	10.8	99.1	165
1767 117	3 x 4	11.3	138.8	208
1767 118	4 x 4	12.6	180.1	267
1767 119	5 x 4	13.7	221.3	325
1767 120	7 x 4	14.7	300.7	406
1767 121	2 x 6	12.1	140.4	216
1767 122	3 x 6	13.0	200.3	285
1767 123	4 x 6	14.0	260.5	352

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1767 124	5 x 6	15.5	328.0	445
1767 125	7 x 6	16.9	447.5	569
1767 126	2 x 10	15.7	232.6	363
1767 127	3 x 10	16.8	331.9	484
1767 128	4 x 10	18.4	432.3	613
1767 129	5 x 10	20.3	534.2	767
1767 130	7 x 10	22.2	731.5	987
1767 131	2 x 16	18.3	355.2	517
1767 132	3 x 16	19.3	511.9	690
1767 133	4 x 16	21.5	671.7	892
1767 134	5 x 16	23.6	854.0	1128
1767 135	7 x 16	26.0	1170	1473
1767 136	2 x 25	21.8	538.2	740
1767 137	3 x 25	23.3	804.8	1022
1767 138	4 x 25	25.9	1055	1320
1767 139	5 x 25	28.9	1334	1695
1767 140	7 x 25	31.8	1828	2211
1767 141	2 x 35	24.7	761.8	989
1767 142	3 x 35	26.2	1104	1343
1767 143	4 x 35	29.2	1479	1764
1767 144	5 x 35	32.4	1831	2225
1767 145	7 x 35	35.6	2519	2915
1767 146	2 x 50	30.1	1100	1417
1767 147	3 x 50	32.4	1591	1958
1767 148	4 x 50	35.8	2088	2525
1767 149	5 x 50	39.8	2587	3208
1767 150	7 x 50	43.8	3567	4197
	YSLYCY-OZ 300/500 V			
1768 001	2 x 0,5	6.5	19.3	54
1768 002	3 x 0,5	6.8	24.2	63
1768 003	4 x 0,5	7.2	29.8	72
1768 004	5 x 0,5	7.7	35.6	85
1768 005	7 x 0,5	8.5	50.5	107
1768 006	2 x 0,75	6.9	24.4	62
1768 007	3 x 0,75	7.1	32.0	72
1768 008	4 x 0,75	7.6	40.2	85
1768 009	5 x 0,75	8.1	48.4	100
1768 010	7 x 0,75	9.2	69.4	133
1768 011	2 x 1,0	7.2	29.8	69

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1768 012	3 x 1,0	7.5	40.0	83
1768 013	4 x 1,0	8.1	50.8	99
1768 014	5 x 1,0	9.1	65.9	129
1768 015	7 x 1,0	9.7	86.7	154
1768 016	2 x 1,5	8.5	45.7	96
1768 017	3 x 1,5	8.8	60.9	116
1768 018	4 x 1,5	9.7	77.1	143
1768 019	5 x 1,5	10.4	93.7	171
1768 020	7 x 1,5	11.1	123.9	206
1768 021	2 x 2,5	10.1	68.5	135
1768 022	3 x 2,5	10.6	93.8	167
1768 023	4 x 2,5	11.4	120.4	202
1768 024	5 x 2,5	12.7	147.1	255
1768 025	7 x 2,5	13.7	197.3	313
1768 026	2 x 4	10.8	99.1	165
1768 027	3 x 4	11.3	138.8	208
1768 028	4 x 4	12.6	180.1	267
1768 029	5 x 4	13.7	221.3	325
1768 030	7 x 4	14.7	300.7	406
1768 031	2 x 6	12.1	140.4	216
1768 032	3 x 6	13.0	200.3	285
1768 033	4 x 6	14.0	260.5	352
1768 034	5 x 6	15.5	328.0	445
1768 035	7 x 6	16.9	447.5	569
1768 036	2 x 10	15.7	232.6	363
1768 037	3 x 10	16.8	331.9	484
1768 038	4 x 10	18.4	432.3	613
1768 039	5 x 10	20.3	534.2	767
1768 040	7 x 10	22.2	731.5	987
1768 041	2 x 16	18.3	355.2	517
1768 042	3 x 16	19.3	511.9	690
1768 043	4 x 16	21.5	671.7	892
1768 044	5 x 16	23.6	854.0	1128
1768 045	7 x 16	26.0	1170	1473
1768 046	2 x 25	21.8	538.2	740
1768 047	3 x 25	23.3	804.8	1022
1768 048	4 x 25	25.9	1055	1320
1768 049	5 x 25	28.9	1334	1695
1768 050	7 x 25	31.8	1828	2211

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1768 051	2 x 35	24.7	761.8	989
1768 052	3 x 35	26.2	1104	1343
1768 053	4 x 35	29.2	1479	1764
1768 054	5 x 35	32.4	1831	2225
1768 055	7 x 35	35.6	2519	2915
1768 056	2 x 50	30.1	1100	1417
1768 057	3 x 50	32.4	1591	1958
1768 058	4 x 50	35.8	2088	2525
1768 059	5 x 50	39.8	2587	3208
1768 060	7 x 50	43.8	3567	4197
YSLYCY-JB 300/500 V				
1769 001	3 x 0,5	6.8	24.2	63
1769 002	5 x 0,5	7.7	35.6	85
1769 003	3 x 0,75	7.1	32.0	72
1769 004	5 x 0,75	8.1	48.4	100
1769 005	3 x 1,0	7.5	40.0	83
1769 006	5 x 1,0	9.1	65.9	129
1769 007	3 x 1,5	8.8	60.9	116
1769 008	5 x 1,5	10.4	93.7	171
1769 009	3 x 2,5	10.6	93.8	167
1769 010	5 x 2,5	12.7	147.1	255
1769 011	3 x 4	11.3	138.8	208
1769 012	5 x 4	13.7	221.3	325
1769 013	3 x 6	13.0	200.3	285
1769 014	5 x 6	15.5	328.0	445
1769 015	3 x 10	16.8	331.9	484
1769 016	5 x 10	20.3	534.2	767
1769 017	3 x 16	19.3	511.9	690
1769 018	5 x 16	23.6	854.0	1128
1769 019	3 x 25	23.3	804.8	1022
1769 020	5 x 25	28.9	1334	1695
1769 021	3 x 35	26.2	1104	1343
1769 022	5 x 35	32.4	1831	2225
1769 023	3 x 50	32.4	1591	1958
1769 024	5 x 50	39.8	2587	3208
YSLYCY-OB 300/500 V				
1770 001	2 x 0,5	6.5	19.3	54
1770 002	4 x 0,5	7.2	29.8	72
1770 003	2 x 0,75	6.9	24.4	62
1770 004	4 x 0,75	7.6	40.2	85
1770 005	2 x 1,0	7.2	29.8	69
1770 006	4 x 1,0	8.1	50.8	99
1770 007	2 x 1,5	8.5	45.7	96
1770 008	4 x 1,5	9.7	77.1	143
1770 009	2 x 2,5	10.1	68.5	135
1770 010	4 x 2,5	11.4	120.4	202
1770 011	2 x 4	10.8	99.1	165
1770 012	4 x 4	12.6	180.1	267
1770 013	2 x 6	12.1	140.4	216
1770 014	4 x 6	14.0	260.5	352
1770 015	2 x 10	15.7	232.6	363
1770 016	4 x 10	18.4	432.3	613
1770 017	2 x 16	18.3	355.2	517
1770 018	4 x 16	21.5	671.7	892
1770 019	2 x 25	21.8	538.2	740
1770 020	4 x 25	25.9	1055	1320
1770 021	2 x 35	24.7	761.8	989
1770 022	4 x 35	29.2	1479	1764
1770 023	2 x 50	30.1	1100	1417
1770 024	4 x 50	35.8	2088	2525

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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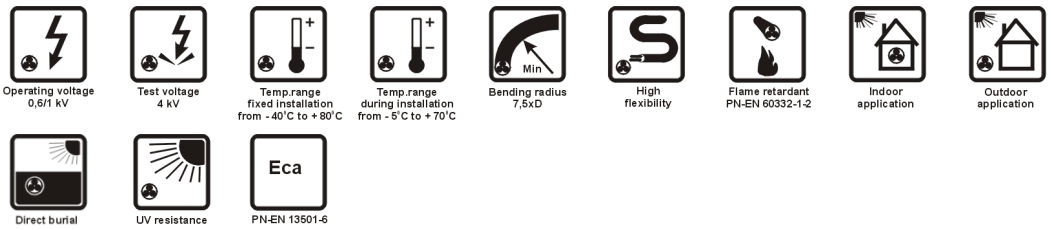
YSLY-JZ 0,6/1 kV, YSLY-OZ 0,6/1 kV
YSLY-JB 0,6/1 kV, YSLY-OB 0,6/1 kV



APPLICATIONS

YSLY-JZ 0,6/1 kV, YSLY-OZ 0,6/1 kV, YSLY-JB 0,6/1 kV and **YSLY-OB 0,6/1 kV** are flexible cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Sheathing black PVC is resistant to UV radiation.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:

  YSLY-OZ 0,6/1 kV - black and white conductor number printed on it,

  YSLY-OB 0,6/1 kV - colours in accordance with PN-HD 308 standard,
  green-yellow protective conductor located in the outer layer in **YSLY-JZ 0,6/1 kV** and **YSLY-JB 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- black (RAL 9005) PVC cable sheath.

AVAILABLE UPON REQUEST

YSLY-JZ OR 0,6/1 kV , YSLY-OZ OR 0,6/1 kV , YSLY-JB OR 0,6/1 kV and **YSLY-OB OR 0,6/1 kV** – cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

HSLH-JZ 0,6/1 kV , HSLH-OZ 0,6/1 kV , HSLH-JB 0,6/1 kV and **HSLH-OB 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
	YSLY-JZ 0,6/1 kV			
1775 002	3 x 0,5	7.9	14.4	80
1775 003	4 x 0,5	8.5	19.2	92
1775 004	5 x 0,5	9.1	24.0	109
1775 005	6 x 0,5	9.8	28.8	126
1775 006	7 x 0,5	9.8	33.6	128
1775 007	8 x 0,5	10.5	38.4	146
1775 008	10 x 0,5	12.0	48.0	176
1775 009	12 x 0,5	12.4	57.6	195
1775 010	14 x 0,5	12.9	67.2	216
1775 011	16 x 0,5	13.6	76.8	242
1775 012	18 x 0,5	14.3	86.4	268
1775 013	20 x 0,5	14.9	96.0	294
1775 014	21 x 0,5	14.9	100.8	295
1775 015	27 x 0,5	16.8	129.6	361
1775 016	30 x 0,5	17.4	144.0	392
1775 017	36 x 0,5	18.7	172.8	460
1775 018	40 x 0,5	19.4	192.0	498
1775 019	44 x 0,5	20.9	211.2	544
1775 020	48 x 0,5	21.3	230.4	581
1775 021	52 x 0,5	22.1	249.6	630
1775 022	56 x 0,5	22.7	268.8	672
1775 023	61 x 0,5	23.4	292.8	718
1775 025	3 x 0,75	8.3	21.6	91
1775 026	4 x 0,75	8.9	28.8	106
1775 027	5 x 0,75	9.6	36.0	126
1775 028	6 x 0,75	10.3	43.2	147

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1775 029	7 x 0,75	10.3	50.4	150
1775 030	8 x 0,75	11.1	57.6	172
1775 031	10 x 0,75	12.7	72.0	208
1775 032	12 x 0,75	13.1	86.4	231
1775 033	14 x 0,75	13.7	100.8	257
1775 034	16 x 0,75	14.4	115.2	288
1775 035	18 x 0,75	15.2	129.6	321
1775 036	20 x 0,75	15.9	144.0	354
1775 037	21 x 0,75	15.9	151.2	357
1775 038	27 x 0,75	17.9	194.4	438
1775 039	30 x 0,75	18.6	216.0	476
1775 040	36 x 0,75	20.0	259.2	561
1775 041	40 x 0,75	20.7	288.0	608
1775 042	44 x 0,75	22.6	316.8	676
1775 043	48 x 0,75	23.0	345.6	722
1775 044	52 x 0,75	23.6	374.4	771
1775 045	56 x 0,75	24.3	403.2	825
1775 046	61 x 0,75	25.2	439.2	893
1775 048	3 x 1,0	8.7	28.8	104
1775 049	4 x 1,0	9.4	38.4	122
1775 050	5 x 1,0	10.2	48.0	147
1775 051	6 x 1,0	10.9	57.6	170
1775 052	7 x 1,0	10.9	67.2	175
1775 053	8 x 1,0	11.7	76.8	200
1775 054	10 x 1,0	13.5	96.0	243
1775 055	12 x 1,0	13.9	115.2	272
1775 056	14 x 1,0	14.6	134.4	305

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1775 057	16 x 1,0	15.4	153.6	344
1775 058	18 x 1,0	16.2	172.8	382
1775 059	20 x 1,0	16.9	192.0	421
1775 060	21 x 1,0	16.9	201.6	426
1775 061	27 x 1,0	19.2	259.2	527
1775 062	30 x 1,0	19.8	288.0	572
1775 063	36 x 1,0	21.4	345.6	678
1775 064	40 x 1,0	22.4	384.0	746
1775 065	44 x 1,0	24.2	422.4	817
1775 066	48 x 1,0	24.6	460.8	874
1775 067	52 x 1,0	25.5	499.2	946
1775 068	56 x 1,0	26.2	537.6	1012
1775 069	61 x 1,0	27.0	585.6	1084
1775 071	3 x 1,5	9.3	43.2	125
1775 072	4 x 1,5	10.0	57.6	148
1775 073	5 x 1,5	10.8	72.0	178
1775 074	6 x 1,5	11.7	86.4	209
1775 075	7 x 1,5	11.7	100.8	217
1775 076	8 x 1,5	12.6	115.2	249
1775 077	10 x 1,5	14.5	144.0	302
1775 078	12 x 1,5	15.0	172.8	341
1775 079	14 x 1,5	15.7	201.6	382
1775 080	16 x 1,5	16.5	230.4	431
1775 081	18 x 1,5	17.4	259.2	481
1775 082	20 x 1,5	18.3	288.0	533
1775 083	21 x 1,5	18.3	302.4	539
1775 084	27 x 1,5	20.7	388.8	668
1775 085	30 x 1,5	21.4	432.0	729
1775 086	36 x 1,5	23.3	518.4	874
1775 087	40 x 1,5	24.2	576.0	952
1775 088	44 x 1,5	26.4	633.6	1056
1775 089	48 x 1,5	26.8	691.2	1131
1775 090	52 x 1,5	27.6	748.8	1212
1775 091	56 x 1,5	28.6	806.4	1311
1775 092	61 x 1,5	29.4	878.4	1406
1775 094	3 x 2,5	10.6	72.0	171
1775 095	4 x 2,5	11.5	96.0	206
1775 096	5 x 2,5	12.5	120.0	251
1775 097	6 x 2,5	13.6	144.0	297

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1775 098	7 x 2,5	13.6	168.0	311
1775 099	8 x 2,5	14.6	192.0	355
1775 100	10 x 2,5	17.1	240.0	438
1775 101	12 x 2,5	17.6	288.0	495
1775 102	14 x 2,5	18.5	336.0	560
1775 103	16 x 2,5	19.5	384.0	633
1775 104	18 x 2,5	20.6	432.0	708
1775 105	20 x 2,5	21.6	480.0	785
1775 106	21 x 2,5	21.6	504.0	796
1775 107	27 x 2,5	25.0	648.0	1016
1775 108	30 x 2,5	25.9	720.0	1110
1775 109	36 x 2,5	28.1	864.0	1329
1775 110	40 x 2,5	29.2	960.0	1450
1775 111	44 x 2,5	31.8	1056	1604
1775 112	48 x 2,5	32.4	1152	1723
1775 113	52 x 2,5	33.3	1248	1847
1775 114	56 x 2,5	34.5	1344	1996
1775 115	61 x 2,5	35.5	1464	2144
1775 116	2 x 4	11.1	76.8	186
1775 117	3 x 4	11.7	115.2	225
1775 118	4 x 4	12.7	153.6	273
1775 119	5 x 4	13.9	192.0	335
1775 120	7 x 4	15.0	268.8	418
1775 121	2 x 6	12.2	115.2	239
1775 122	3 x 6	12.9	172.8	295
1775 123	4 x 6	14.1	230.4	363
1775 124	5 x 6	15.4	288.0	447
1775 125	7 x 6	16.8	403.2	567
1775 126	2 x 10	15.0	192.0	381
1775 127	3 x 10	15.9	288.0	477
1775 128	4 x 10	17.5	384.0	593
1775 129	5 x 10	19.2	480.0	735
1775 130	7 x 10	21.0	672.0	941
1775 131	2 x 16	17.2	307.2	541
1775 132	3 x 16	18.3	460.8	689
1775 133	4 x 16	20.1	614.4	862
1775 134	5 x 16	22.3	768.0	1082
1775 135	7 x 16	24.4	1075.2	1397
1775 136	2 x 25	20.3	480.0	779

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1775 137	3 x 25	21.9	720.0	1012
1775 138	4 x 25	24.1	960.0	1270
1775 139	5 x 25	26.8	1200	1597
1775 140	7 x 25	29.6	1680	2083
1775 141	2 x 35	22.8	672.0	1022
1775 142	3 x 35	24.3	1008	1321
1775 143	4 x 35	27.1	1344	1683
1775 144	5 x 35	30.1	1680	2114
1775 145	7 x 35	33.2	2352	2766
1775 146	2 x 50	29.2	960.0	1555
1775 147	3 x 50	31.4	1440	2003
1775 148	4 x 50	34.9	1920	2531
1775 149	5 x 50	38.7	2400	3179
1775 150	7 x 50	42.7	3360	4132
	YSLY-OZ 0,6/1 kV			
1776 001	2 x 0,5	7.6	9.6	71
1776 002	3 x 0,5	7.9	14.4	80
1776 003	4 x 0,5	8.5	19.2	92
1776 004	5 x 0,5	9.1	24.0	109
1776 005	7 x 0,5	9.8	33.6	128
1776 066	8 x 0,5	10.5	38.4	146
1776 006	2 x 0,75	7.9	14.4	79
1776 007	3 x 0,75	8.3	21.6	91
1776 008	4 x 0,75	8.9	28.8	106
1776 009	5 x 0,75	9.6	36.0	126
1776 010	7 x 0,75	10.3	50.4	150
1776 061	8 x 0,75	11.1	57.6	173
1776 067	12 x 0,75	13.2	86.4	232
1776 068	14 x 0,75	13.8	100.8	259
1776 011	2 x 1,0	8.3	19.2	90
1776 012	3 x 1,0	8.7	28.8	104
1776 013	4 x 1,0	9.4	38.4	122
1776 014	5 x 1,0	10.1	48.0	146
1776 015	7 x 1,0	10.9	67.2	175
1776 016	2 x 1,5	8.8	28.8	106
1776 017	3 x 1,5	9.3	43.2	125
1776 018	4 x 1,5	10.0	57.6	148
1776 019	5 x 1,5	10.8	72.0	178
1776 020	7 x 1,5	11.7	100.8	217

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1776 062	10 x 1,5	14.6	144.0	305
1776 021	2 x 2,5	10.1	48.0	145
1776 022	3 x 2,5	10.6	72.0	171
1776 023	4 x 2,5	11.5	96.0	206
1776 024	5 x 2,5	12.5	120.0	251
1776 025	7 x 2,5	13.6	168.0	311
1776 064	16 x 2,5	19.6	384.0	637
1776 065	27 x 2,5	25.1	648.0	1021
1776 026	2 x 4	11.1	76.8	186
1776 027	3 x 4	11.7	115.2	225
1776 028	4 x 4	12.7	153.6	273
1776 029	5 x 4	13.9	192.0	335
1776 030	7 x 4	15.0	268.8	418
1776 031	2 x 6	12.2	115.2	239
1776 032	3 x 6	12.9	172.8	295
1776 033	4 x 6	14.1	230.4	363
1776 034	5 x 6	15.4	288.0	447
1776 035	7 x 6	16.8	403.2	567
1776 036	2 x 10	15.0	192.0	381
1776 037	3 x 10	15.9	288.0	477
1776 038	4 x 10	17.5	384.0	593
1776 039	5 x 10	19.2	480.0	735
1776 040	7 x 10	21.0	672.0	941
1776 041	2 x 16	17.2	307.2	541
1776 042	3 x 16	18.3	460.8	689
1776 043	4 x 16	20.1	614.4	862
1776 044	5 x 16	22.3	768.0	1082
1776 045	7 x 16	24.4	1075	1397
1776 046	2 x 25	20.3	480.0	779
1776 047	3 x 25	21.9	720.0	1012
1776 048	4 x 25	24.1	960.0	1270
1776 049	5 x 25	26.8	1200	1597
1776 050	7 x 25	29.6	1680	2083
1776 051	2 x 35	22.8	672.0	1022
1776 052	3 x 35	24.3	1008	1321
1776 053	4 x 35	27.1	1344	1683
1776 054	5 x 35	30.1	1680	2114
1776 055	7 x 35	33.2	2352	2766
1776 056	2 x 50	29.2	960.0	1555

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1776 057	3 x 50	31.4	1440	2003
1776 058	4 x 50	34.9	1920	2531
1776 059	5 x 50	38.7	2400	3179
1776 060	7 x 50	42.7	3360	4132
	YSLY-JB 0,6/1 kV			
1777 001	3 x 0,5	7.9	14.4	80
1777 002	5 x 0,5	9.1	24.0	109
1777 003	3 x 0,75	8.3	21.6	91
1777 004	5 x 0,75	9.6	36.0	126
1777 005	3 x 1,0	8.7	28.8	104
1777 006	5 x 1,0	10.1	48.0	146
1777 007	3 x 1,5	9.3	43.2	125
1777 029	4 x 1,5	10.1	57.6	149
1777 008	5 x 1,5	10.8	72.0	178
1777 009	3 x 2,5	10.6	72.0	171
1777 010	5 x 2,5	12.5	120.0	251
1777 011	3 x 4	11.7	115.2	225
1777 012	5 x 4	13.9	192.0	335
1777 013	3 x 6	12.9	172.8	295
1777 014	5 x 6	15.4	288.0	447
1777 015	3 x 10	15.9	288.0	477
1777 025	4 x 10	17.5	384.0	592
1777 016	5 x 10	19.2	480.0	735
1777 017	3 x 16	18.3	460.8	689
1777 026	4 x 16	20.1	614.4	860
1777 018	5 x 16	22.3	768.0	1082
1777 019	3 x 25	21.9	720.0	1012
1777 027	4 x 25	24.2	960.0	1271
1777 020	5 x 25	26.8	1200	1597
1777 021	3 x 35	24.3	1008	1321

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1777 022	5 x 35	30.1	1680	2114
1777 023	3 x 50	31.4	1440	2003
1777 028	4 x 50	35.4	1920	2562
1777 024	5 x 50	38.7	2400	3179
	YSLY-OB 0,6/1 kV			
1778 001	2 x 0,5	7.6	9.6	71
1778 002	4 x 0,5	8.5	19.2	92
1778 003	2 x 0,75	7.9	14.4	79
1778 004	4 x 0,75	8.9	28.8	106
1778 005	2 x 1,0	8.3	19.2	90
1778 006	4 x 1,0	9.4	38.4	122
1778 007	2 x 1,5	8.8	28.8	106
1778 008	4 x 1,5	10.0	57.6	148
1778 009	2 x 2,5	10.1	48.0	145
1778 010	4 x 2,5	11.5	96.0	206
1778 011	2 x 4	11.1	76.8	186
1778 012	4 x 4	12.7	153.6	273
1778 013	2 x 6	12.2	115.2	239
1778 014	4 x 6	14.1	230.4	363
1778 015	2 x 10	15.0	192.0	381
1778 016	4 x 10	17.5	384.0	593
1778 017	2 x 16	17.2	307.2	541
1778 018	4 x 16	20.1	614.4	862
1778 019	2 x 25	20.3	480.0	779
1778 020	4 x 25	24.1	960.0	1270
1778 021	2 x 35	22.8	672.0	1022
1778 022	4 x 35	27.1	1344	1683
1778 023	2 x 50	29.2	960.0	1555
1778 024	4 x 50	34.9	1920	2531

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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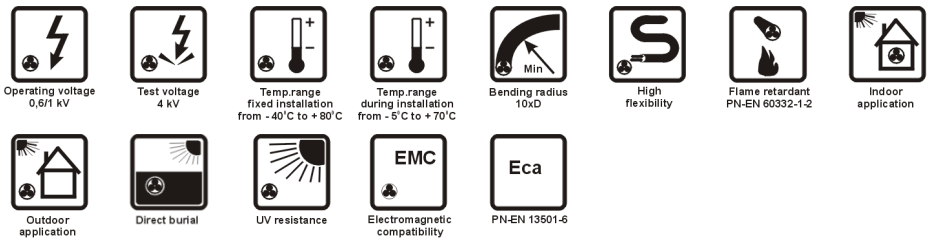
YSLCY-JZ 0,6/1 kV, YSLCY-OZ 0,6/1 kV
YSLCY-JB 0,6/1 kV, YSLCY-OB 0,6/1 kV



APPLICATIONS

YSLCY-JZ 0,6/1 kV , YSLCY-OZ 0,6/1 kV , YSLCY-JB 0,6/1 kV and **YSLCY-OB 0,6/1 kV** are flexible, overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Sheathing black PVC is resistant to UV radiation.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:

  YSLCY-OZ 0,6/1 kV - black and white conductor number printed on it,

  YSLCY-OB 0,6/1 kV - colours in accordance with PN-HD 308 standard,

  green-yellow protective conductor located in the outer layer in **YSLCY-JZ 0,6/1 kV** and **YSLCY-JB 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- black (RAL 9005) PVC cable sheath.

AVAILABLE UPON REQUEST

YSLCY-JZ OR 0,6/1 kV, YSLCY-OZ OR 0,6/1 kV , YSLCY-JB OR 0,6/1 kV and **YSLCY-OB OR 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

HSLCH-JZ 0,6/1 kV , HSLCH-OZ 0,6/1 kV , HSLCH-JB 0,6/1 kV and **HSLCH-OB 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
YSLCY-JZ 0,6/1 kV				
1783 001	2 x 0,5	8.1	19.3	73
1783 002	3 x 0,5	8.4	24.6	83
1783 003	4 x 0,5	9.0	30.6	97
1783 004	5 x 0,5	9.7	40.4	118
1783 005	6 x 0,5	10.4	47.8	137
1783 006	7 x 0,5	10.4	52.6	139
1783 007	8 x 0,5	11.1	58.4	157
1783 008	10 x 0,5	12.6	72.4	184
1783 009	12 x 0,5	13.0	82.5	204
1783 010	14 x 0,5	13.5	93.4	225
1783 011	16 x 0,5	14.2	104.8	252
1783 012	18 x 0,5	14.9	116.2	278
1783 013	20 x 0,5	15.5	127.4	305
1783 014	21 x 0,5	15.5	132.2	306
1783 015	27 x 0,5	17.5	173.3	377
1783 016	30 x 0,5	18.1	189.5	408
1783 017	36 x 0,5	19.4	222.3	477
1783 018	40 x 0,5	20.1	243.7	515
1783 019	44 x 0,5	21.6	267.6	558
1783 020	48 x 0,5	22.2	288.0	605
1783 021	52 x 0,5	22.8	309.1	644
1783 022	56 x 0,5	23.6	352.3	708
1783 023	61 x 0,5	24.3	379.2	754
1783 024	2 x 0,75	8.4	24.6	80
1783 025	3 x 0,75	8.8	32.6	95
1783 026	4 x 0,75	9.4	41.0	110
1783 027	5 x 0,75	10.2	53.7	135
1783 028	6 x 0,75	10.9	62.7	157
1783 029	7 x 0,75	10.9	69.9	160
1783 030	8 x 0,75	11.7	79.3	183
1783 031	10 x 0,75	13.3	97.7	215
1783 032	12 x 0,75	13.7	113.5	240
1783 033	14 x 0,75	14.3	129.1	266
1783 034	16 x 0,75	15.0	145.3	298
1783 035	18 x 0,75	15.8	161.7	331
1783 036	20 x 0,75	16.6	184.9	371
1783 037	21 x 0,75	16.6	192.1	374
1783 038	27 x 0,75	18.6	241.5	453
1783 039	30 x 0,75	19.3	265.2	492
1783 040	36 x 0,75	20.7	312.8	577
1783 041	40 x 0,75	21.4	343.8	624
1783 042	44 x 0,75	23.5	399.8	711
1783 043	48 x 0,75	23.9	430.4	758

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1783 044	52 x 0,75	24.5	461.7	807
1783 045	56 x 0,75	25.4	493.4	872
1783 046	61 x 0,75	26.1	532.3	928
1783 047	2 x 1,0	8.8	30.2	89
1783 048	3 x 1,0	9.2	40.6	106
1783 049	4 x 1,0	10.0	55.5	130
1783 050	5 x 1,0	10.7	67.0	155
1783 051	6 x 1,0	11.5	79.3	180
1783 052	7 x 1,0	11.5	88.9	185
1783 053	8 x 1,0	12.3	99.9	211
1783 054	10 x 1,0	14.1	123.7	249
1783 055	12 x 1,0	14.5	144.0	279
1783 056	14 x 1,0	15.1	164.7	312
1783 057	16 x 1,0	15.9	186.0	350
1783 058	18 x 1,0	16.8	214.3	396
1783 059	20 x 1,0	17.5	235.7	435
1783 060	21 x 1,0	17.5	245.3	440
1783 061	27 x 1,0	19.7	309.7	536
1783 062	30 x 1,0	20.4	340.7	583
1783 063	36 x 1,0	22.1	402.9	696
1783 064	40 x 1,0	22.9	443.8	755
1783 065	44 x 1,0	25.1	511.4	855
1783 066	48 x 1,0	25.5	551.4	911
1783 067	52 x 1,0	26.2	592.8	973
1783 068	56 x 1,0	26.9	634.1	1038
1783 069	61 x 1,0	28.1	712.1	1148
1783 070	2 x 1,5	9.3	40.8	103
1783 071	3 x 1,5	9.9	60.1	130
1783 072	4 x 1,5	10.6	76.6	155
1783 073	5 x 1,5	11.4	92.7	186
1783 074	6 x 1,5	12.3	109.5	217
1783 075	7 x 1,5	12.3	123.9	225
1783 076	8 x 1,5	13.2	140.6	259
1783 077	10 x 1,5	15.1	174.3	306
1783 078	12 x 1,5	15.6	204.4	346
1783 079	14 x 1,5	16.4	241.9	396
1783 080	16 x 1,5	17.2	273.2	446
1783 081	18 x 1,5	18.1	304.7	496
1783 082	20 x 1,5	19.0	336.3	549

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1783 083	21 x 1,5	19.0	350.7	556
1783 084	27 x 1,5	21.4	444.6	681
1783 085	30 x 1,5	22.3	489.9	752
1783 086	36 x 1,5	24.2	604.4	911
1783 087	40 x 1,5	25.3	665.8	1001
1783 088	44 x 1,5	27.5	758.0	1114
1783 089	48 x 1,5	28.1	817.7	1203
1783 090	52 x 1,5	28.9	879.5	1286
1783 091	56 x 1,5	29.7	941.4	1374
1783 092	61 x 1,5	30.5	1017	1469
1783 093	2 x 2,5	10.7	67.0	137
1783 094	3 x 2,5	11.2	92.2	169
1783 095	4 x 2,5	12.1	118.6	205
1783 096	5 x 2,5	13.1	145.2	249
1783 097	6 x 2,5	14.2	172.0	294
1783 098	7 x 2,5	14.2	196.0	306
1783 099	8 x 2,5	15.2	222.6	352
1783 100	10 x 2,5	17.8	284.6	428
1783 101	12 x 2,5	18.3	334.1	487
1783 102	14 x 2,5	19.2	384.9	550
1783 103	16 x 2,5	20.2	436.0	622
1783 104	18 x 2,5	21.3	487.4	695
1783 105	20 x 2,5	22.5	538.6	780
1783 106	21 x 2,5	22.5	562.6	789
1783 107	27 x 2,5	25.9	740.2	1006
1783 108	30 x 2,5	26.8	816.1	1098
1783 109	36 x 2,5	29.2	996.3	1339
1783 110	40 x 2,5	30.3	1098	1456
1783 111	44 x 2,5	32.9	1207	1601
1783 112	48 x 2,5	33.5	1306	1717
1783 113	52 x 2,5	34.6	1407	1852
1783 114	56 x 2,5	35.6	1508	1981
1783 115	61 x 2,5	36.8	1665	2146
1783 116	2 x 4	11.7	98.5	176
1783 117	3 x 4	12.3	138.3	223
1783 118	4 x 4	13.3	179.3	274
1783 119	5 x 4	14.5	220.8	337
1783 120	7 x 4	15.6	300.4	420
1783 121	2 x 6	12.8	139.6	222

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1783 122	3 x 6	13.5	199.0	288
1783 123	4 x 6	14.7	259.7	359
1783 124	5 x 6	16.1	327.4	451
1783 125	7 x 6	17.5	446.9	571
1783 126	2 x 10	15.6	223.6	334
1783 127	3 x 10	16.6	328.9	452
1783 128	4 x 10	18.2	429.9	570
1783 129	5 x 10	19.9	531.1	712
1783 130	7 x 10	21.9	728.7	922
1783 131	2 x 16	17.9	352.1	475
1783 132	3 x 16	19.0	509.1	645
1783 133	4 x 16	20.8	668.3	822
1783 134	5 x 16	23.0	828.1	1042
1783 135	7 x 16	25.5	1166	1382
1783 136	2 x 25	21.0	534.6	670
1783 137	3 x 25	22.6	778.8	934
1783 138	4 x 25	25.2	1049	1232
1783 139	5 x 25	28.1	1326	1584
1783 140	7 x 25	30.7	1820	2054
1783 141	2 x 35	23.9	756.8	902
1783 142	3 x 35	25.6	1099	1256
1783 143	4 x 35	28.6	1473	1654
1783 144	5 x 35	31.6	1824	2094
1783 145	7 x 35	34.8	2512	2746
	YSLCY-OZ 0,6/1 kV			
1784 001	2 x 0,5	8.1	19.3	73
1784 002	3 x 0,5	8.4	24.6	83
1784 003	4 x 0,5	9.0	30.6	97
1784 004	5 x 0,5	9.7	40.4	118
1784 005	7 x 0,5	10.4	52.6	139
1784 006	2 x 0,75	8.4	24.6	80
1784 007	3 x 0,75	8.8	32.6	95
1784 008	4 x 0,75	9.4	41.0	110
1784 009	5 x 0,75	10.2	53.7	135
1784 010	7 x 0,75	10.9	69.9	160
1784 011	2 x 1,0	8.8	30.2	89
1784 012	3 x 1,0	9.2	40.6	106
1784 013	4 x 1,0	10.0	55.5	130
1784 014	5 x 1,0	10.7	67.0	155

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1784 015	7 x 1,0	11.5	88.9	185
1784 016	2 x 1,5	9.3	40.8	103
1784 017	3 x 1,5	9.9	60.1	130
1784 018	4 x 1,5	10.6	76.6	155
1784 019	5 x 1,5	11.4	92.7	186
1784 020	7 x 1,5	12.3	123.9	225
1784 056	24 x 1,5	21.1	400.5	639
1784 057	32 x 1,5	23.5	543.8	856
1784 021	2 x 2,5	10.7	67.0	137
1784 022	3 x 2,5	11.2	92.2	169
1784 023	4 x 2,5	12.1	118.6	205
1784 024	5 x 2,5	13.1	145.2	249
1784 025	7 x 2,5	14.2	196.0	306
1784 026	2 x 4	11.7	98.5	176
1784 027	3 x 4	12.3	138.3	223
1784 028	4 x 4	13.3	179.3	274
1784 029	5 x 4	14.5	220.8	337
1784 030	7 x 4	15.6	300.4	420
1784 031	2 x 6	12.8	139.6	222
1784 032	3 x 6	13.5	199.0	288
1784 033	4 x 6	14.7	259.7	359
1784 034	5 x 6	16.1	327.4	451
1784 035	7 x 6	17.5	446.9	571
1784 036	2 x 10	15.6	223.6	334
1784 037	3 x 10	16.6	328.9	452
1784 038	4 x 10	18.2	429.9	570
1784 039	5 x 10	19.9	531.1	712
1784 040	7 x 10	21.9	728.7	922
1784 041	2 x 16	17.9	352.1	475
1784 042	3 x 16	19.0	509.1	645
1784 043	4 x 16	20.8	668.3	822
1784 044	5 x 16	23.0	828.1	1042
1784 045	7 x 16	25.5	1166	1382
1784 046	2 x 25	21.0	534.6	670
1784 047	3 x 25	22.6	778.8	934
1784 048	4 x 25	25.2	1049	1232
1784 049	5 x 25	28.1	1326	1584
1784 050	7 x 25	30.7	1820	2054
1784 051	2 x 35	23.9	756.8	902

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1784 052	3 x 35	25.6	1099	1256
1784 053	4 x 35	28.6	1473	1654
1784 054	5 x 35	31.6	1824	2094
1784 055	7 x 35	34.8	2512	2746
	YSLCY-JB 0,6/1 kV			
1785 001	3 x 0,5	8.4	24.6	83
1785 002	5 x 0,5	9.7	40.4	118
1785 003	3 x 0,75	8.8	32.6	95
1785 004	5 x 0,75	10.2	53.7	135
1785 005	3 x 1,0	9.2	40.6	106
1785 006	5 x 1,0	10.7	67.0	155
1785 007	3 x 1,5	9.9	60.1	130
1785 008	5 x 1,5	11.4	92.7	186
1785 009	3 x 2,5	11.2	92.2	169
1785 010	5 x 2,5	13.1	145.2	249
1785 011	3 x 4	12.3	138.3	223
1785 023	4 x 4	13.4	179.5	277
1785 012	5 x 4	14.5	220.8	337
1785 013	3 x 6	13.5	199.0	288
1785 024	4 x 6	14.7	259.7	362
1785 014	5 x 6	16.1	327.4	451
1785 015	3 x 10	16.6	328.9	452
1785 025	4 x 10	18.2	429.9	584
1785 016	5 x 10	19.9	531.1	712
1785 017	3 x 16	19.0	509.1	645
1785 026	4 x 16	20.8	668.3	838
1785 018	5 x 16	23.0	828.1	1042
1785 019	3 x 25	22.6	778.8	934

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1785 027	4 x 25	25.3	1050	1253
1785 020	5 x 25	28.1	1326	1584
1785 021	3 x 35	25.6	1099	1256
1785 028	4 x 35	28.4	1472	1665
1785 022	5 x 35	31.6	1824	2094
	YSLCY-OB 0,6/1 kV			
1786 001	2 x 0,5	8.1	19.3	73
1786 002	4 x 0,5	9.0	30.6	97
1786 003	2 x 0,75	8.4	24.6	80
1786 004	4 x 0,75	9.4	41.0	110
1786 005	2 x 1,0	8.8	30.2	89
1786 006	4 x 1,0	10.0	55.5	130
1786 007	2 x 1,5	9.3	40.8	103
1786 008	4 x 1,5	10.6	76.6	155
1786 009	2 x 2,5	10.7	67.0	137
1786 010	4 x 2,5	12.1	118.6	205
1786 011	2 x 4	11.7	98.5	176
1786 012	4 x 4	13.3	179.3	274
1786 013	2 x 6	12.8	139.6	222
1786 014	4 x 6	14.7	259.7	359
1786 015	2 x 10	15.6	223.6	334
1786 016	4 x 10	18.2	429.9	570
1786 017	2 x 16	17.9	352.1	475
1786 018	4 x 16	20.8	668.3	822
1786 019	2 x 25	21.0	534.6	670
1786 020	4 x 25	25.2	1049	1232
1786 021	2 x 35	23.9	756.8	902
1786 022	4 x 35	28.6	1473	1654

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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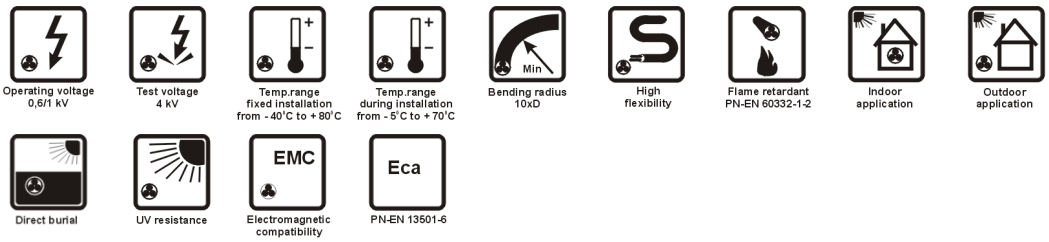
Connecting since 1982

YSLYCY-JZ 0,6/1 kV, YSLYCY-OZ 0,6/1 kV
YSLYCY-JB 0,6/1 kV, YSLYCY-OB 0,6/1 kV



APPLICATIONS

YSLYCY-JZ 0,6/1 kV , YSLYCY-OZ 0,6/1 kV , YSLYCY-JB 0,6/1 kV and **YSLYCY-OB 0,6/1 kV** are flexible, overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

Cable inner sheath offers enhanced protection against mechanical damage.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Sheathing black PVC is resistant to UV radiation.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:

  YSLYCY-OZ 0,6/1 kV - black and white conductor number printed on it,

  YSLYCY-OB 0,6/1 kV - colours in accordance with PN-HD 308 standard,

  green-yellow protective conductor in the outer layer in **YSLYCY-JZ 0,6/1 kV** and **YSLYCY-JB 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- inner PVC sheath,
- tinned copper wire braid shield of effective density coverage,
- black (RAL 9005) PVC cable sheath.

AVAILABLE UPON REQUEST

YSLYSY-JZ 0,6/1 kV , YSLYSY-OZ 0,6/1 kV , YSLYSY-JB 0,6/1 kV and **YSLYSY-OB 0,6/1 kV** – cables of enhanced protection against mechanical damage, shielded with zinc-plated steel wire braid.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
	YSLYCY-JZ 0,6/1 kV			
1779 001	2 x 0,5	9.5	22.0	101
1779 002	3 x 0,5	10.2	32.1	125
1779 003	4 x 0,5	10.8	38.4	142
1779 004	5 x 0,5	11.5	45.7	166
1779 005	6 x 0,5	12.3	51.9	189
1779 006	7 x 0,5	12.3	56.7	191
1779 007	8 x 0,5	13.0	63.3	209
1779 008	10 x 0,5	14.9	77.8	257
1779 009	12 x 0,5	15.3	88.5	282
1779 010	14 x 0,5	15.9	99.6	309
1779 011	16 x 0,5	16.7	118.0	349
1779 012	18 x 0,5	17.7	130.7	392
1779 013	20 x 0,5	18.4	142.4	426
1779 014	21 x 0,5	18.4	147.2	423
1779 015	27 x 0,5	20.7	183.2	521
1779 016	30 x 0,5	21.3	199.4	559
1779 017	36 x 0,5	23.0	232.9	658
1779 018	40 x 0,5	23.9	276.8	722
1779 019	44 x 0,5	26.0	303.9	811
1779 020	48 x 0,5	26.4	324.8	857
1779 021	52 x 0,5	27.0	346.5	907
1779 022	56 x 0,5	28.1	395.3	1001
1779 023	61 x 0,5	29.1	424.6	1074
1779 024	2 x 0,75	9.3	26.4	102
1779 025	3 x 0,75	10.0	38.7	127
1779 026	4 x 0,75	10.6	47.8	146

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1779 027	5 x 0,75	11.3	56.5	170
1779 028	6 x 0,75	12.0	65.5	194
1779 029	7 x 0,75	12.0	72.7	198
1779 030	8 x 0,75	12.7	82.0	218
1779 031	10 x 0,75	14.6	101.0	269
1779 032	12 x 0,75	14.9	116.2	296
1779 033	14 x 0,75	15.6	132.4	328
1779 034	16 x 0,75	16.3	155.2	369
1779 035	18 x 0,75	17.3	173.0	414
1779 036	20 x 0,75	18.0	189.2	451
1779 037	21 x 0,75	18.0	196.4	451
1779 038	27 x 0,75	20.0	245.8	547
1779 039	30 x 0,75	20.8	269.9	599
1779 040	36 x 0,75	22.4	317.4	705
1779 041	40 x 0,75	23.1	348.4	754
1779 042	44 x 0,75	25.4	407.0	870
1779 043	48 x 0,75	25.7	437.1	921
1779 044	52 x 0,75	26.3	468.4	977
1779 045	56 x 0,75	27.0	500.1	1038
1779 046	61 x 0,75	28.1	565.7	1142
1779 047	2 x 1,0	10.1	36.6	123
1779 048	3 x 1,0	10.5	47.8	143
1779 049	4 x 1,0	11.2	58.6	166
1779 050	5 x 1,0	12.0	70.3	195
1779 051	6 x 1,0	12.7	82.0	223
1779 052	7 x 1,0	12.7	91.6	229
1779 053	8 x 1,0	13.7	103.9	259

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1779 054	10 x 1,0	15.5	127.4	311
1779 055	12 x 1,0	15.9	147.6	346
1779 056	14 x 1,0	16.7	175.6	391
1779 057	16 x 1,0	17.7	197.9	443
1779 058	18 x 1,0	18.5	219.6	488
1779 059	20 x 1,0	19.2	240.9	533
1779 060	21 x 1,0	19.2	250.5	533
1779 061	27 x 1,0	21.9	315.9	671
1779 062	30 x 1,0	22.5	346.6	723
1779 063	36 x 1,0	24.3	432.0	866
1779 064	40 x 1,0	25.5	474.6	951
1779 065	44 x 1,0	27.5	546.8	1064
1779 066	48 x 1,0	28.1	587.3	1142
1779 067	52 x 1,0	29.0	630.4	1226
1779 068	56 x 1,0	29.7	672.6	1302
1779 069	61 x 1,0	30.5	724.7	1385
1779 070	2 x 1,5	10.7	47.8	139
1779 071	3 x 1,5	11.1	63.2	162
1779 072	4 x 1,5	11.9	79.7	191
1779 073	5 x 1,5	12.7	96.4	225
1779 074	6 x 1,5	13.7	113.5	265
1779 075	7 x 1,5	13.7	127.9	273
1779 076	8 x 1,5	14.6	144.2	303
1779 077	10 x 1,5	16.7	185.2	373
1779 078	12 x 1,5	17.4	216.2	425
1779 079	14 x 1,5	18.1	247.1	472
1779 080	16 x 1,5	18.9	278.4	526
1779 081	18 x 1,5	19.8	310.0	581
1779 082	20 x 1,5	20.9	342.2	648
1779 083	21 x 1,5	20.9	356.6	649
1779 084	27 x 1,5	23.7	472.7	827
1779 085	30 x 1,5	24.7	520.0	907
1779 086	36 x 1,5	26.6	613.6	1069
1779 087	40 x 1,5	27.6	700.9	1172
1779 088	44 x 1,5	30.0	770.2	1308
1779 089	48 x 1,5	30.5	830.3	1392
1779 090	52 x 1,5	31.4	891.8	1494
1779 091	56 x 1,5	32.5	955.2	1605
1779 092	61 x 1,5	33.3	1031	1709

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1779 093	2 x 2,5	11.9	70.1	176
1779 094	3 x 2,5	12.5	95.6	214
1779 095	4 x 2,5	13.6	122.5	262
1779 096	5 x 2,5	14.6	149.0	313
1779 097	6 x 2,5	15.6	175.6	364
1779 098	7 x 2,5	15.6	199.6	378
1779 099	8 x 2,5	16.8	233.5	430
1779 100	10 x 2,5	19.4	289.5	531
1779 101	12 x 2,5	20.0	339.4	600
1779 102	14 x 2,5	21.1	390.9	683
1779 103	16 x 2,5	22.3	441.9	775
1779 104	18 x 2,5	23.6	515.5	882
1779 105	20 x 2,5	25.0	568.6	990
1779 106	21 x 2,5	25.0	592.6	994
1779 107	27 x 2,5	28.4	776.0	1265
1779 108	30 x 2,5	29.5	853.9	1385
1779 109	36 x 2,5	31.8	1009	1636
1779 110	40 x 2,5	33.0	1111	1775
1779 111	44 x 2,5	35.7	1221	1959
1779 112	48 x 2,5	36.4	1320	2107
1779 113	52 x 2,5	37.5	1426	2267
1779 114	56 x 2,5	38.5	1522	2412
1779 115	61 x 2,5	39.6	1648	2579
1779 116	2 x 4	12.9	101.4	213
1779 117	3 x 4	13.7	142.3	269
1779 118	4 x 4	14.8	183.2	325
1779 119	5 x 4	15.9	224.4	392
1779 120	7 x 4	17.4	312.2	497
1779 121	2 x 6	14.1	142.9	267
1779 122	3 x 6	14.8	202.4	336
1779 123	4 x 6	16.1	269.8	418
1779 124	5 x 6	17.6	331.9	516
1779 125	7 x 6	18.9	451.2	642
1779 126	2 x 10	17.2	234.8	408
1779 127	3 x 10	18.1	333.5	526
1779 128	4 x 10	19.7	434.5	653
1779 129	5 x 10	21.6	536.4	813
1779 130	7 x 10	23.7	755.9	1059
1779 131	2 x 16	19.5	357.1	555

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1779 132	3 x 16	20.8	514.7	742
1779 133	4 x 16	22.8	673.9	941
1779 134	5 x 16	25.5	858.6	1212
1779 135	7 x 16	28.0	1201	1581
1779 136	2 x 25	23.1	540.4	784
1779 137	3 x 25	25.0	808.6	1094
1779 138	4 x 25	27.5	1084	1404
1779 139	5 x 25	30.3	1338	1765
1779 140	7 x 25	33.3	1833	2289
1779 141	2 x 35	25.9	764.2	1043
1779 142	3 x 35	27.6	1133	1429
1779 143	4 x 35	30.6	1484	1839
1779 144	5 x 35	33.8	1836	2314
1779 145	7 x 35	37.3	2530	3040
1779 146	2 x 50	32.7	1110	1557
1779 147	3 x 50	34.9	1600	2112
1779 148	4 x 50	38.6	2099	2715
1779 149	5 x 50	42.6	2599	3425
1779 150	7 x 50	47.0	3580	4478
	YSLYCY-OZ 0,6/1 kV			
1780 001	2 x 0,5	9.5	22.0	101
1780 002	3 x 0,5	10.2	32.1	125
1780 003	4 x 0,5	10.8	38.4	142
1780 004	5 x 0,5	11.5	45.7	166
1780 005	7 x 0,5	12.3	56.7	191
1780 006	2 x 0,75	9.3	26.4	102
1780 007	3 x 0,75	10.0	38.7	127
1780 008	4 x 0,75	10.6	47.8	146
1780 009	5 x 0,75	11.3	56.5	170
1780 010	7 x 0,75	12.0	72.7	198
1780 011	2 x 1,0	10.1	36.6	123
1780 012	3 x 1,0	10.5	47.8	143
1780 013	4 x 1,0	11.2	58.6	166
1780 014	5 x 1,0	12.0	70.3	195
1780 015	7 x 1,0	12.7	91.6	229
1780 016	2 x 1,5	10.7	47.8	139
1780 017	3 x 1,5	11.1	63.2	162
1780 018	4 x 1,5	11.9	79.7	191
1780 019	5 x 1,5	12.7	96.4	225

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1780 020	7 x 1,5	13.7	127.9	273
1780 021	2 x 2,5	11.9	70.1	176
1780 022	3 x 2,5	12.5	95.6	214
1780 023	4 x 2,5	13.6	122.5	262
1780 024	5 x 2,5	14.6	149.0	313
1780 025	7 x 2,5	15.6	199.6	378
1780 026	2 x 4	12.9	101.4	213
1780 027	3 x 4	13.7	142.3	269
1780 028	4 x 4	14.8	183.2	325
1780 029	5 x 4	15.9	224.4	392
1780 030	7 x 4	17.4	312.2	497
1780 031	2 x 6	14.1	142.9	267
1780 032	3 x 6	14.8	202.4	336
1780 033	4 x 6	16.1	269.8	418
1780 034	5 x 6	17.6	331.9	516
1780 035	7 x 6	18.9	451.2	642
1780 036	2 x 10	17.2	234.8	408
1780 037	3 x 10	18.1	333.5	526
1780 038	4 x 10	19.7	434.5	653
1780 039	5 x 10	21.6	536.4	813
1780 040	7 x 10	23.7	755.9	1059
1780 041	2 x 16	19.5	357.1	555
1780 042	3 x 16	20.8	514.7	742
1780 043	4 x 16	22.8	673.9	941
1780 044	5 x 16	25.5	858.6	1212
1780 045	7 x 16	28.0	1201	1581
1780 046	2 x 25	23.1	540.4	784
1780 047	3 x 25	25.0	808.6	1094
1780 048	4 x 25	27.5	1084	1404
1780 049	5 x 25	30.3	1338	1765
1780 050	7 x 25	33.3	1833	2289
1780 051	2 x 35	25.9	764.2	1043
1780 052	3 x 35	27.6	1133	1429
1780 053	4 x 35	30.6	1484	1839
1780 054	5 x 35	33.8	1836	2314
1780 055	7 x 35	37.3	2530	3040
1780 056	2 x 50	32.7	1110	1557
1780 057	3 x 50	34.9	1600	2112
1780 058	4 x 50	38.6	2099	2715

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1780 059	5 x 50	42.6	2599	3425
1780 060	7 x 50	47.0	3580.2	4478
	YSLYCY-JB 0,6/1 kV			
1781 001	3 x 0,5	10.2	32.1	125
1781 002	5 x 0,5	11.5	45.7	166
1781 003	3 x 0,75	10.0	38.7	127
1781 004	5 x 0,75	11.3	56.5	170
1781 005	3 x 1,0	10.5	47.8	143
1781 006	5 x 1,0	12.0	70.3	195
1781 007	3 x 1,5	11.1	63.2	162
1781 008	5 x 1,5	12.7	96.4	225
1781 009	3 x 2,5	12.5	95.6	214
1781 010	5 x 2,5	14.6	149	313
1781 011	3 x 4	13.7	142.3	269
1781 012	5 x 4	15.9	224.4	392
1781 013	3 x 6	14.8	202.4	336
1781 014	5 x 6	17.6	331.9	516
1781 015	3 x 10	18.1	333.5	526
1781 016	5 x 10	21.6	536.4	813
1781 017	3 x 16	20.8	514.7	742
1781 018	5 x 16	25.5	858.6	1212
1781 019	3 x 25	25.0	808.6	1094
1781 020	5 x 25	30.3	1338	1765
1781 021	3 x 35	27.6	1133	1429
1781 022	5 x 35	33.8	1836	2314
1781 023	3 x 50	34.9	1600	2112

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1781 024	5 x 50	42.6	2599	3425
	YSLYCY-OB 0,6/1 kV			
1782 001	2 x 0,5	9.5	22	101
1782 002	4 x 0,5	10.8	38.4	142
1782 003	2 x 0,75	9.3	26.4	102
1782 004	4 x 0,75	10.6	47.8	146
1782 005	2 x 1,0	10.1	36.6	123
1782 006	4 x 1,0	11.2	58.6	166
1782 007	2 x 1,5	10.7	47.8	139
1782 008	4 x 1,5	11.9	79.7	191
1782 009	2 x 2,5	11.9	70.1	176
1782 010	4 x 2,5	13.6	122.5	262
1782 011	2 x 4	12.9	101.4	213
1782 012	4 x 4	14.8	183.2	325
1782 013	2 x 6	14.1	142.9	267
1782 014	4 x 6	16.1	269.8	418
1782 015	2 x 10	17.2	234.8	408
1782 016	4 x 10	19.7	434.5	653
1782 017	2 x 16	19.5	357.1	555
1782 018	4 x 16	22.8	673.9	941
1782 019	2 x 25	23.1	540.4	784
1782 020	4 x 25	27.5	1084	1404
1782 021	2 x 35	25.9	764.2	1043
1782 022	4 x 35	30.6	1484	1839
1782 023	2 x 50	32.7	1110	1557
1782 024	4 x 50	38.6	2099	2715

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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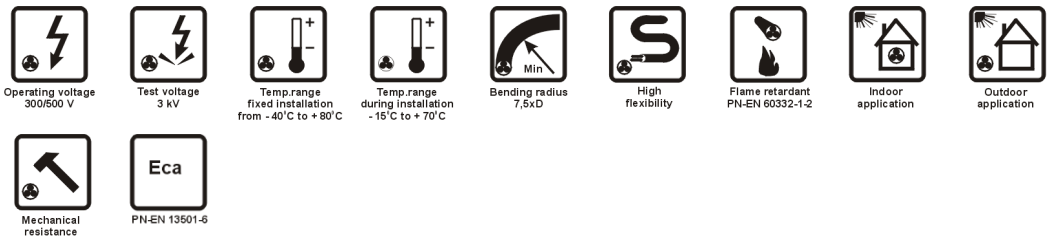
TECHNOFLEKS LiY11Y-Nr 300/500 V, TECHNOFLEKS LiY11Yżo-Nr 300/500 V



APPLICATIONS

TECHNOFLEKS LiY11Y-Nr 300/500 V and **TECHNOFLEKS LiY11Yżo-Nr 300/500 V** are flexible cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

Polyurethane sheath offers enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

The cables are designed to offer high flexibility combined with tensile strength.

Cables are dedicated to work in heavy duty conditions.

The cables are suitable for indoor and outdoor installations connecting fixed and movable equipment.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification, additional green-yellow protective conductor in **TECHNOFLEKS LiY11Yżo-Nr 300/500 V** cable,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOFLEKS LiY11Yżo-Nr 300/500 V** cable,
- polyurethane cable sheath, grey RAL 7001, other colours also available.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 15 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1
Referance standards	DT 85/12/05
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1162 002	2 x 0,5	5.0	9.6	32
1162 007	3 x 0,5	5.3	14.4	38
1162 008	4 x 0,5	5.7	19.2	46
1162 009	5 x 0,5	6.2	24.0	56
1162 005	6 x 0,5	6.7	28.8	66
1162 010	7 x 0,5	6.7	33.6	69
1162 011	8 x 0,5	7.2	38.4	79
1162 012	10 x 0,5	8.3	48.0	96
1162 013	12 x 0,5	8.6	57.6	108
1162 014	14 x 0,5	9.0	67.2	122
1162 015	16 x 0,5	9.5	76.8	138
1162 016	18 x 0,5	10.4	86.4	162
1162 017	19 x 0,5	10.4	91.2	165
1162 018	21 x 0,5	10.9	100.8	182
1162 019	24 x 0,5	12.0	115.2	205
1162 020	25 x 0,5	12.3	120.0	220
1162 021	27 x 0,5	12.3	129.6	225
1162 022	30 x 0,5	12.7	144.0	245
1162 023	34 x 0,5	13.7	163.2	286
1162 024	37 x 0,5	13.7	177.6	293
1162 025	40 x 0,5	14.4	192.0	322
1162 026	44 x 0,5	15.5	211.2	352
1162 027	48 x 0,5	15.8	230.4	378
1162 028	50 x 0,5	16.2	240.0	399
1162 029	56 x 0,5	16.7	268.8	433
1162 030	60 x 0,5	17.2	288.0	463
1162 006	2 x 0,75	5.4	14.4	39
1162 001	3 x 0,75	5.6	21.6	47
1162 031	4 x 0,75	6.1	28.8	57
1162 032	5 x 0,75	6.6	36.0	70
1162 033	6 x 0,75	7.2	43.2	83
1162 034	7 x 0,75	7.2	50.4	87
1162 035	8 x 0,75	7.7	57.6	100
1162 036	10 x 0,75	9.0	72.0	122
1162 037	12 x 0,75	9.3	86.4	139
1162 038	14 x 0,75	10.2	100.8	166
1162 039	16 x 0,75	10.7	115.2	187
1162 040	18 x 0,75	11.3	129.6	210
1162 041	19 x 0,75	11.3	136.8	213

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1162 042	21 x 0,75	11.8	151.2	236
1162 043	24 x 0,75	13.1	172.8	267
1162 044	25 x 0,75	13.4	180.0	285
1162 045	27 x 0,75	13.4	194.4	293
1162 046	30 x 0,75	13.8	216.0	320
1162 047	34 x 0,75	15.1	244.8	378
1162 048	37 x 0,75	15.1	266.4	390
1162 049	40 x 0,75	15.7	288.0	422
1162 050	44 x 0,75	16.9	316.8	461
1162 051	48 x 0,75	17.2	345.6	496
1162 052	50 x 0,75	17.7	360.0	525
1162 053	56 x 0,75	18.2	403.2	571
1162 054	60 x 0,75	19.2	432.0	625
1162 003	2 x 1,0	5.7	19.2	46
1162 055	3 x 1,0	6.0	28.8	56
1162 056	4 x 1,0	6.6	38.4	70
1162 057	5 x 1,0	7.1	48.0	85
1162 058	6 x 1,0	7.7	57.6	101
1162 059	7 x 1,0	7.7	67.2	107
1162 060	8 x 1,0	8.3	76.8	124
1162 061	10 x 1,0	9.7	96.0	151
1162 062	12 x 1,0	10.5	115.2	181
1162 063	14 x 1,0	11.0	134.4	205
1162 064	16 x 1,0	11.5	153.6	232
1162 065	18 x 1,0	12.2	172.8	260
1162 066	19 x 1,0	12.2	182.4	266
1162 067	21 x 1,0	12.8	201.6	294
1162 068	24 x 1,0	14.4	230.4	339
1162 069	27 x 1,0	14.7	259.2	372
1162 070	30 x 1,0	15.2	288.0	407
1162 071	34 x 1,0	16.4	326.4	474
1162 072	37 x 1,0	16.4	355.2	490
1162 073	40 x 1,0	17.0	384.0	530
1162 074	44 x 1,0	18.8	422.4	594
1162 075	48 x 1,0	19.1	460.8	639
1162 076	50 x 1,0	19.6	480.0	674
1162 077	60 x 1,0	20.8	576.0	786
1162 078	2 x 1,5	6.3	28.8	59
1162 079	3 x 1,5	6.6	43.2	73

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1162 080	4 x 1,5	7.2	57.6	91
1162 081	5 x 1,5	7.9	72.0	112
1162 082	6 x 1,5	8.5	86.4	133
1162 083	7 x 1,5	8.5	100.8	141
1162 084	8 x 1,5	9.2	115.2	165
1162 085	10 x 1,5	11.2	144	209
1162 086	12 x 1,5	11.6	172.8	240
1162 087	14 x 1,5	12.2	201.6	274
1162 088	16 x 1,5	12.8	230.4	310
1162 089	18 x 1,5	13.5	259.2	347
1162 090	19 x 1,5	13.5	273.6	356
1162 091	21 x 1,5	14.4	302.4	400
1162 092	24 x 1,5	16.0	345.6	454
1162 093	27 x 1,5	16.3	388.8	500
1162 094	30 x 1,5	16.9	432.0	548
1162 095	34 x 1,5	18.3	489.6	637
1162 096	37 x 1,5	18.3	532.8	663
1162 097	40 x 1,5	19.4	576.0	732
1162 098	48 x 1,5	21.3	691.2	863
1162 099	50 x 1,5	21.9	720.0	910
1162 100	60 x 1,5	23.6	864..0	1082
1162 004	2 x 2,5	7.1	48.0	82
1162 101	3 x 2,5	7.5	72.0	104
1162 102	4 x 2,5	8.2	96.0	130
1162 103	5 x 2,5	9.0	120.0	163
1162 104	6 x 2,5	10.2	144.0	202
1162 105	7 x 2,5	10.2	168.0	216
1162 106	8 x 2,5	11.1	192.0	251
1162 107	10 x 2,5	12.9	240.0	306
1162 108	12 x 2,5	13.4	288.0	354
1162 109	14 x 2,5	14.1	336.0	405
1162 110	16 x 2,5	15.0	384.0	466
1162 111	18 x 2,5	15.9	432.0	523
1162 112	19 x 2,5	15.9	456.0	537
1162 113	21 x 2,5	16.7	504.0	596

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1162 114	25 x 2,5	19.4	600.0	734
1162 115	27 x 2,5	19.4	648.0	762
1162 116	30 x 2,5	20.1	720.0	837
1162 117	34 x 2,5	21.7	816.0	971
1162 118	37 x 2,5	21.7	888.0	1013
1162 119	40 x 2,5	22.5	960.0	1096
1162 120	44 x 2,5	24.8	1056	1219
1162 121	50 x 2,5	25.9	1200	1387
1162 122	60 x 2,5	27.5	1440	1626
1162 123	2 x 4	8.5	76.8	122
1162 124	3 x 4	9.0	115.2	156
1162 125	4 x 4	10.3	153.6	204
1162 126	5 x 4	11.3	192.0	254
1162 127	7 x 4	12.3	268.8	327
1162 128	3 x 6	10.8	172.8	233
1162 129	4 x 6	11.9	230.4	294
1162 130	5 x 6	13.0	288.0	366
1162 131	7 x 6	14.5	403.2	482
1162 132	3 x 10	13.4	288.0	386
1162 133	4 x 10	15.0	384.0	496
1162 134	5 x 10	16.5	480.0	619
1162 135	7 x 10	18.1	672.0	810
1162 136	3 x 16	16.0	460.8	587
1162 137	4 x 16	17.6	614.4	747
1162 138	5 x 16	19.8	768.0	951
1162 139	7 x 16	21.7	1075	1248
1162 140	3 x 25	18.9	720.0	856
1162 141	4 x 25	20.9	960.0	1095
1162 142	5 x 25	23.4	1200	1388
1162 143	3 x 35	22.2	1008	1191
1162 144	4 x 35	25.0	1344	1542
1162 145	5 x 35	27.6	1680	1935
1162 146	3 x 50	28.0	1440	1778
1162 147	4 x 50	31.0	1920	2270
1162 148	5 x 50	34.7	2400	2880

Other cross-sections and conductor counts available on request.
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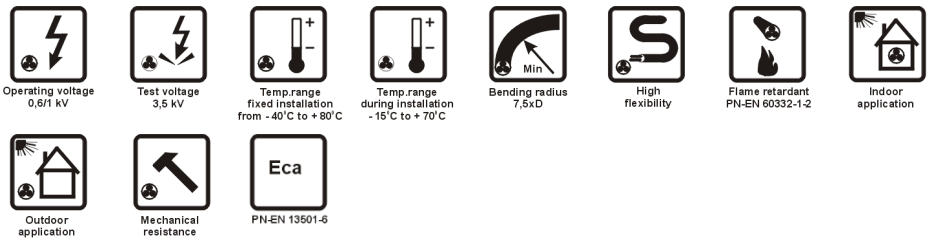
TECHNOFLEKS LiY11Y-Nr 0,6/1 kV, TECHNOFLEKS LiY11Yżo-Nr 0,6/1 kV



APPLICATIONS

TECHNOFLEKS LiY11Y-Nr 0,6/1 kV and **TECHNOFLEKS LiY11Yżo-Nr 0,6/1 kV** are flexible cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

Polyurethane sheath offers enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

The cables are designed to offer high flexibility combined with tensile strength.

Cables are dedicated to work in heavy duty conditions.

The cables are suitable for indoor and outdoor installations connecting fixed and movable equipment.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification, additional green-yellow protective conductor in **TECHNOFLEKS LiY11Yżo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOFLEKS LiY11Yżo-Nr 0,6/1 kV** cable,
- polyurethane cable sheath, grey RAL 7001, other colours also available.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1
Referance standards	DT 85/12/05
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0809 010	2 x 0,5	6.4	9.6	48
0809 011	3 x 0,5	6.7	14.4	56
0809 012	4 x 0,5	7.2	19.2	67
0809 013	5 x 0,5	7.9	24.0	82
0809 014	6 x 0,5	8.5	28.8	97
0809 015	7 x 0,5	8.5	33.6	99
0809 016	8 x 0,5	9.1	38.4	114
0809 017	10 x 0,5	10.6	48.0	139
0809 018	12 x 0,5	10.9	57.6	156
0809 019	14 x 0,5	11.5	67.2	176
0809 020	16 x 0,5	12.1	76.8	199
0809 021	18 x 0,5	12.8	86.4	223
0809 022	19 x 0,5	12.8	91.2	226
0809 023	21 x 0,5	13.4	100.8	250
0809 024	24 x 0,5	15.1	115.2	288
0809 025	27 x 0,5	15.4	129.6	315
0809 026	30 x 0,5	16.0	144.0	344
0809 027	36 x 0,5	17.2	172.8	408
0809 028	37 x 0,5	17.2	177.6	410
0809 029	44 x 0,5	19.7	211.2	499
0809 030	48 x 0,5	20.1	230.4	536
0809 031	52 x 0,5	20.6	249.6	573
0809 032	56 x 0,5	21.2	268.8	614
0809 033	60 x 0,5	21.9	288.0	656
0809 034	2 x 0,75	6.7	14.4	55
0809 035	3 x 0,75	7.1	21.6	67
0809 036	4 x 0,75	7.7	28.8	80
0809 037	5 x 0,75	8.3	36.0	97
0809 038	6 x 0,75	9.0	43.2	115
0809 039	7 x 0,75	9.0	50.4	119
0809 040	8 x 0,75	9.7	57.6	138
0809 041	10 x 0,75	11.3	72.0	168
0809 042	12 x 0,75	11.7	86.4	191
0809 043	14 x 0,75	12.3	100.8	216
0809 044	16 x 0,75	13.0	115.2	245
0809 045	18 x 0,75	13.7	129.6	274
0809 046	19 x 0,75	13.7	136.8	278
0809 047	21 x 0,75	14.6	151.2	313
0809 048	24 x 0,75	16.2	172.8	355

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0809 049	27 x 0,75	16.5	194.4	388
0809 050	30 x 0,75	17.1	216.0	424
0809 051	36 x 0,75	18.9	259.2	519
0809 052	37 x 0,75	18.9	266.4	523
0809 053	44 x 0,75	21.2	316.8	618
0809 054	48 x 0,75	21.5	345.6	663
0809 055	52 x 0,75	22.1	374.4	711
0809 056	56 x 0,75	23.2	403.2	780
0809 057	60 x 0,75	23.9	432.0	833
0809 058	2 x 1,0	7.1	19.2	64
0809 059	3 x 1,0	7.5	28.8	78
0809 060	4 x 1,0	8.1	38.4	94
0809 061	5 x 1,0	8.8	48.0	115
0809 062	6 x 1,0	9.6	57.6	136
0809 063	7 x 1,0	9.6	67.2	142
0809 064	8 x 1,0	10.3	76.8	165
0809 065	10 x 1,0	12.1	96.0	201
0809 066	12 x 1,0	12.4	115.2	228
0809 067	14 x 1,0	13.1	134.4	259
0809 068	16 x 1,0	13.8	153.6	294
0809 069	18 x 1,0	14.8	172.8	335
0809 070	19 x 1,0	14.8	182.4	341
0809 071	21 x 1,0	15.5	201.6	377
0809 072	24 x 1,0	17.2	230.4	427
0809 073	27 x 1,0	17.6	259.2	469
0809 074	30 x 1,0	18.3	288.0	514
0809 075	36 x 1,0	20.1	345.6	626
0809 076	37 x 1,0	20.1	355.2	632
0809 077	44 x 1,0	22.6	422.4	749
0809 078	48 x 1,0	23.4	460.8	822
0809 079	52 x 1,0	24.1	499.2	882
0809 080	56 x 1,0	24.8	537.6	946
0809 081	60 x 1,0	25.5	576.0	1010
0809 002	2 x 1,5	7.6	28.8	78
0809 003	3 x 1,5	8.0	43.2	95
0809 004	4 x 1,5	8.8	57.6	118
0809 082	5 x 1,5	9.6	72.0	145
0809 083	6 x 1,5	10.4	86.4	173
0809 084	7 x 1,5	10.4	100.8	181

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0809 085	8 x 1,5	11.2	115.2	210
0809 086	10 x 1,5	13.1	144.0	257
0809 087	12 x 1,5	13.6	172.8	294
0809 088	14 x 1,5	14.5	201.6	340
0809 089	16 x 1,5	15.3	230.4	386
0809 090	18 x 1,5	16.1	259.2	432
0809 091	19 x 1,5	16.1	273.6	441
0809 092	21 x 1,5	16.9	302.4	489
0809 093	24 x 1,5	19.3	345.6	569
0809 094	27 x 1,5	19.7	388.8	626
0809 095	30 x 1,5	20.4	432.0	685
0809 096	36 x 1,5	22.0	518.4	817
0809 097	37 x 1,5	22.0	532.8	825
0809 098	44 x 1,5	25.2	633.6	997
0809 099	48 x 1,5	25.6	691.2	1073
0809 101	52 x 1,5	26.3	748.8	1151
0809 102	56 x 1,5	27.1	806.4	1236
0809 103	60 x 1,5	27.9	864.0	1322
0809 001	14 x 2,5	16.4	336.0	472
0809 005	2 x 2,5	8.5	48.0	104
0809 006	3 x 2,5	9.0	72.0	129
0809 007	4 x 2,5	9.8	96.0	159
0809 104	5 x 2,5	10.7	120.0	197
0809 105	6 x 2,5	11.7	144.0	235
0809 106	7 x 2,5	11.7	168.0	249
0809 107	8 x 2,5	12.6	192.0	290
0809 108	10 x 2,5	15.1	240.0	360
0809 109	12 x 2,5	15.6	288.0	414
0809 111	16 x 2,5	17.3	384.0	537
0809 112	18 x 2,5	18.3	432.0	603
0809 113	19 x 2,5	18.3	456.0	617
0809 114	21 x 2,5	19.6	504.0	699
0809 115	24 x 2,5	21.8	576.0	792
0809 116	27 x 2,5	22.3	648.0	874

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0809 117	30 x 2,5	23.6	720.0	977
0809 118	36 x 2,5	25.4	864.0	1164
0809 119	37 x 2,5	25.4	888.0	1178
0809 120	44 x 2,5	28.6	1056	1398
0809 121	48 x 2,5	29.1	1152	1507
0809 122	52 x 2,5	29.9	1248	1620
0809 123	56 x 2,5	30.9	1344	1742
0809 124	60 x 2,5	32.2	1440	1886
0809 008	2 x 4	9.9	76.8	149
0809 125	3 x 4	10.5	115.2	188
0809 126	4 x 4	11.5	153.6	234
0809 127	5 x 4	12.6	192.0	292
0809 128	7 x 4	13.7	268.8	373
0809 129	3 x 6	11.7	172.8	254
0809 130	4 x 6	12.8	230.4	318
0809 131	5 x 6	14.1	288.0	398
0809 132	7 x 6	15.7	403.2	521
0809 133	3 x 10	14.5	288.0	417
0809 134	4 x 10	15.9	384.0	526
0809 135	5 x 10	17.6	480.0	660
0809 136	7 x 10	19.7	672.0	873
0809 137	3 x 16	16.8	460.8	616
0809 138	4 x 16	19.0	614.4	798
0809 139	5 x 16	20.9	768.0	999
0809 140	7 x 16	23.3	1075	1323
0809 009	4 x 25	23.2	960.0	1199
0809 141	3 x 25	20.6	720.0	928
0809 142	5 x 25	25.6	1200	1504
0809 143	3 x 35	23.7	1008	1257
0809 144	4 x 35	26.2	1344	1602
0809 145	5 x 35	28.9	1680	2011
0809 146	3 x 50	30.6	1440	1899
0809 147	4 x 50	34.3	1920	2436
0809 148	5 x 50	37.9	2400	3065

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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TECHNOKONTROL YKSLY-Nr 300/500 V, TECHNOKONTROL YKSLYżo-Nr 300/500 V

APPLICATIONS

TECHNOKONTROL YKSLY-Nr 300/500 V and **TECHNOKONTROL YKSLYżo-Nr 300/500 V** are flexible cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYżo-Nr 300/500 V** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-Nr-O 300/500 V and **TECHNOKONTROL YKSLYżo-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLY-Nr 300/500 V and **TECHNOKONTROL YnKSLYżo-Nr 300/500 V** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLH-Nr 300/500 V and TECHNOKONTROL HKSLHżo-Nr 300/500 V - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY-Nr 300/500 V and **TECHNOKONTROL YvKSLYżo-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0288 037	2 x 0,5	4.7	9.6	28
0288 061	3 x 0,5	5.0	14.4	35
0288 076	4 x 0,5	5.4	19.2	43
0288 077	5 x 0,5	5.9	24.0	53
0288 034	6 x 0,5	6.4	28.8	62
0288 069	7 x 0,5	6.4	33.6	65
0288 078	8 x 0,5	6.9	38.4	76
0288 079	10 x 0,5	8.0	48.0	90
0288 035	12 x 0,5	8.3	57.6	104
0288 080	14 x 0,5	8.7	67.2	117
0288 081	16 x 0,5	9.2	76.8	134
0288 134	18 x 0,5	10.1	86.4	165
0288 047	20 x 0,5	10.6	96.0	177
0288 082	21 x 0,5	10.6	100.8	180
0288 083	25 x 0,5	12.2	120.0	222
0288 084	32 x 0,5	13.1	153.6	268
0288 135	35 x 0,5	13.6	168.0	292
0288 133	36 x 0,5	13.6	172.8	305
0288 085	37 x 0,5	13.6	177.6	297
0288 086	42 x 0,5	14.8	201.6	350
0288 036	2 x 0,75	5.1	14.4	34

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0288 033	3 x 0,75	5.3	21.6	43
0288 001	4 x 0,75	5.8	28.8	53
0288 002	5 x 0,75	6.3	36.0	65
0288 090	6 x 0,75	6.9	43.2	79
0288 003	7 x 0,75	6.9	50.4	83
0288 091	8 x 0,75	7.4	57.6	97
0288 004	10 x 0,75	8.7	72.0	115
0288 038	12 x 0,75	9.0	86.4	133
0288 092	14 x 0,75	9.9	100.8	162
0288 065	16 x 0,75	10.4	115.2	182
0288 058	18 x 0,75	11.0	129.6	204
0288 093	20 x 0,75	11.5	144.0	228
0288 094	21 x 0,75	11.5	151.2	233
0288 045	25 x 0,75	13.3	180.0	285
0288 095	32 x 0,75	14.5	230.4	357
0288 096	37 x 0,75	15.0	266.4	395
0288 097	42 x 0,75	16.1	302.4	456
0288 005	48 x 0,75	17.1	345.6	497
0288 098	50 x 0,75	17.6	360.0	530
0288 006	2 x 1,0	5.4	19.2	40
0288 007	3 x 1,0	5.7	28.8	52

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0288 008	4 x 1,0	6.3	38.4	65
0288 009	5 x 1,0	6.8	48.0	81
0288 099	6 x 1,0	7.4	57.6	97
0288 010	7 x 1,0	7.4	67.2	102
0288 011	8 x 1,0	8.0	76.8	119
0288 071	9 x 1,0	9.8	86.4	146
0288 012	10 x 1,0	9.8	96.0	152
0288 013	12 x 1,0	10.2	115.2	175
0288 014	14 x 1,0	10.7	134.4	199
0288 015	16 x 1,0	11.2	153.6	227
0288 049	19 x 1,0	12.1	182.4	266
0288 016	20 x 1,0	12.7	192.0	289
0288 064	21 x 1,0	12.7	201.6	295
0288 054	24 x 1,0	14.3	230.4	338
0288 017	25 x 1,0	14.6	240.0	362
0288 136	27 x 1,0	14.6	259.2	372
0288 018	30 x 1,0	15.1	288.0	408
0288 070	32 x 1,0	15.7	307.2	442
0288 048	36 x 1,0	16.3	345.6	486
0288 019	37 x 1,0	16.3	355.2	491
0288 032	42 x 1,0	17.5	403.2	566
0288 100	50 x 1,0	19.3	480.0	675
0288 020	2 x 1,5	6.0	28.8	51
0288 021	3 x 1,5	6.3	43.2	67
0288 022	4 x 1,5	6.9	57.6	85
0288 023	5 x 1,5	7.6	72.0	106
0288 024	6 x 1,5	8.2	86.4	127
0288 025	7 x 1,5	8.2	100.8	136
0288 044	8 x 1,5	8.9	115.2	159
0288 026	10 x 1,5	10.9	144.0	201
0288 039	12 x 1,5	11.3	172.8	234
0288 027	14 x 1,5	12.1	201.6	273
0288 040	16 x 1,5	12.7	230.4	311
0288 132	18 x 1,5	13.4	259.2	348
0288 050	19 x 1,5	13.4	273.6	357
0288 041	20 x 1,5	14.3	288.0	395
0288 101	21 x 1,5	14.3	302.4	404
0288 051	24 x 1,5	15.9	345.6	454
0288 102	25 x 1,5	16.2	360.0	484

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0288 062	27 x 1,5	16.2	388.8	502
0288 052	30 x 1,5	16.8	432.0	551
0288 042	32 x 1,5	17.5	460.8	596
0288 059	33 x 1,5	17.5	475.2	604
0288 066	37 x 1,5	18.4	532.8	676
0288 103	42 x 1,5	19.8	604.8	779
0288 053	44 x 1,5	20.6	633.6	797
0288 104	50 x 1,5	21.6	720.0	909
0288 031	2 x 2,5	6.8	48.0	71
0288 028	3 x 2,5	7.2	72.0	96
0288 029	4 x 2,5	7.9	96.0	123
0288 030	5 x 2,5	8.7	120.0	154
0288 105	6 x 2,5	9.9	144.0	196
0288 046	7 x 2,5	9.9	168.0	210
0288 057	8 x 2,5	10.8	192.0	245
0288 073	10 x 2,5	12.8	240.0	301
0288 055	12 x 2,5	13.3	288.0	351
0288 056	14 x 2,5	14.2	336.0	410
0288 106	16 x 2,5	14.9	384.0	466
0288 137	19 x 2,5	15.8	456.0	548
0288 074	20 x 2,5	16.6	480.0	583
0288 107	21 x 2,5	16.6	504.0	597
0288 063	24 x 2,5	18.7	576.0	683
0288 108	25 x 2,5	19.1	600.0	729
0288 138	30 x 2,5	19.8	720.0	849
0288 043	32 x 2,5	20.6	768.0	899
0288 060	33 x 2,5	20.6	792.0	913
0288 109	2 x 4	8.2	76.8	103
0288 110	3 x 4	8.7	115.2	143
0288 072	4 x 4	10.0	153.6	194
0288 075	5 x 4	11.0	192.0	243
0288 111	7 x 4	12.2	268.8	322
0288 067	3 x 6	10.5	172.8	216
0288 112	4 x 6	11.6	230.4	278
0288 113	5 x 6	12.9	288.0	357
0288 114	7 x 6	14.4	403.2	474
0288 115	3 x 10	13.3	288.0	361
0288 116	4 x 10	14.9	384.0	475
0288 117	5 x 10	16.4	480.0	600

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0288 118	7 x 10	18.0	672.0	790
0288 119	3 x 16	15.9	460.8	549
0288 120	4 x 16	17.5	614.4	713
0288 121	5 x 16	19.5	768.0	913
0288 122	7 x 16	21.4	1075.2	1211
0288 123	3 x 25	18.6	720.0	795
0288 124	4 x 25	20.6	960.0	1036

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0288 125	5 x 25	22.9	1200	1325
0288 126	3 x 35	21.9	1008	1097
0288 127	4 x 35	24.5	1344	1447
0288 128	5 x 35	27.1	1680	1839
0288 129	3 x 50	27.5	1440	1608
0288 130	4 x 50	30.5	1920	2107
0288 131	5 x 50	34.0	2400	2707

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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TECHNOKONTROL YKSLY 300/500 V, TECHNOKONTROL YKSLYżo 300/500 V

APPLICATIONS

TECHNOKONTROL YKSLY 300/500 V and **TECHNOKONTROL YKSLYżo 300/500 V** are flexible cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our Technical Guide),
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYżo 300/500 V** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-O 300/500 V and **TECHNOKONTROL YKSLYżo-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLY 300/500 V and **TECHNOKONTROL YnKSLYżo 300/500 V** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLH 300/500 V and **TECHNOKONTROL HKSLHżo 300/500 V** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY 300/500 V and **TECHNOKONTROL YvKSLYżo 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKABEL®
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RoHS COMPLIANT CE

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0285 020	2 x 0,5	4.7	9.6	28
0285 021	3 x 0,5	5.0	14.4	35
0285 022	4 x 0,5	5.4	19.2	43
0285 023	5 x 0,5	5.9	24.0	53
0285 024	6 x 0,5	6.4	28.8	62
0285 025	7 x 0,5	6.4	33.6	65
0285 026	8 x 0,5	6.9	38.4	76
0285 027	10 x 0,5	8.0	48.0	90
0285 028	12 x 0,5	8.3	57.6	104
0285 029	14 x 0,5	8.7	67.2	117
0285 030	16 x 0,5	9.2	76.8	134
0285 031	20 x 0,5	10.6	96.0	177
0285 032	21 x 0,5	10.6	100.8	180
0285 033	25 x 0,5	12.2	120.0	222
0285 034	32 x 0,5	13.1	153.6	268
0285 035	37 x 0,5	13.6	177.6	297
0285 036	42 x 0,5	14.8	201.6	350
0285 037	50 x 0,5	16.1	240.0	405
0285 038	56 x 0,5	16.6	268.8	440
0285 039	61 x 0,5	17.1	292.8	472
0285 003	52 x 0,75	17.6	374.4	533
0285 015	2 x 0,75	5.1	14.4	34

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0285 015	2 x 0,75	5.1	14.4	34
0285 001	5 x 0,75	6.3	36.0	65
0285 002	7 x 0,75	6.9	50.4	83
0285 040	3 x 0,75	5.3	21.6	43
0285 041	4 x 0,75	5.8	28.8	53
0285 042	6 x 0,75	6.9	43.2	79
0285 043	8 x 0,75	7.4	57.6	97
0285 044	10 x 0,75	8.7	72.0	116
0285 045	12 x 0,75	9.0	86.4	134
0285 046	14 x 0,75	9.9	100.8	162
0285 047	16 x 0,75	10.4	115.2	184
0285 048	20 x 0,75	11.5	144.0	228
0285 049	21 x 0,75	11.5	151.2	233
0285 050	25 x 0,75	13.3	180.0	287
0285 051	32 x 0,75	14.5	230.4	357
0285 052	37 x 0,75	15	266.4	395
0285 004	5 x 1,0	6.8	48.0	81
0285 005	10 x 1,0	9.8	96.0	152
0285 055	2 x 1,0	5.4	19.2	40
0285 056	3 x 1,0	5.7	28.8	52
0285 057	4 x 1,0	6.3	38.4	66
0285 058	6 x 1,0	7.4	57.6	97

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0285 059	7 x 1,0	7.4	67.2	103
0285 060	8 x 1,0	8.0	76.8	119
0285 061	12 x 1,0	10.2	115.2	177
0285 062	14 x 1,0	10.7	134.4	201
0285 063	16 x 1,0	11.2	153.6	228
0285 064	20 x 1,0	12.7	192.0	291
0285 065	21 x 1,0	12.7	201.6	297
0285 066	25 x 1,0	14.6	240.0	364
0285 067	32 x 1,0	15.7	307.2	445
0285 068	37 x 1,0	16.3	355.2	495
0285 069	42 x 1,0	17.5	403.2	571
0285 070	50 x 1,0	19.3	480.0	675
0285 007	3 x 1,5	6.3	43.2	67
0285 008	4 x 1,5	6.9	57.6	85
0285 009	5 x 1,5	7.6	72.0	106
0285 010	7 x 1,5	8.2	100.8	136
0285 012	18 x 1,5	13.4	259.2	348
0285 009	4 x 1,5	6.9	57.6	85
0285 006	2 x 1,5	6.0	28.8	51
0285 018	5 x 1,5	7.6	72.0	106
0285 011	10 x 1,5	10.9	144.0	201
0285 071	6 x 1,5	8.2	86.4	127
0285 072	8 x 1,5	8.9	115.2	159
0285 073	12 x 1,5	11.3	172.8	234
0285 074	14 x 1,5	12.1	201.6	273
0285 075	16 x 1,5	12.7	230.4	311
0285 076	20 x 1,5	14.3	288.0	395
0285 077	21 x 1,5	14.3	302.4	404
0285 078	25 x 1,5	16.2	360.0	484
0285 079	32 x 1,5	17.5	460.8	596
0285 080	37 x 1,5	18.4	532.8	676
0285 081	42 x 1,5	19.8	604.8	779
0285 082	50 x 1,5	21.6	720.0	909
0285 014	4 x 2,5	7.9	96.0	123
0285 013	3 x 2,5	7.2	72.0	96
0285 083	2 x 2,5	6.8	48.0	71
0285 084	5 x 2,5	8.7	120.0	154

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0285 085	6 x 2,5	9.9	144.0	196
0285 086	7 x 2,5	9.9	168.0	210
0285 087	8 x 2,5	10.8	192.0	245
0285 088	10 x 2,5	12.8	240.0	301
0285 089	12 x 2,5	13.3	288.0	351
0285 090	14 x 2,5	14.2	336.0	410
0285 091	16 x 2,5	14.9	384.0	466
0285 092	20 x 2,5	16.6	480.0	583
0285 093	21 x 2,5	16.6	504.0	597
0285 094	25 x 2,5	19.1	600.0	729
0285 095	2 x 4	8.2	76.8	103
0285 096	3 x 4	8.7	115.2	143
0285 097	4 x 4	10.0	153.6	194
0285 098	5 x 4	11.0	192.0	243
0285 019	7 x 4	12.2	268.8	322
0285 099	3 x 6	10.5	172.8	216
0285 100	4 x 6	11.6	230.4	278
0285 101	5 x 6	12.9	288.0	357
0285 102	7 x 6	14.4	403.2	474
0285 103	3 x 10	13.3	288.0	361
0285 104	4 x 10	14.9	384.0	475
0285 105	5 x 10	16.4	480.0	600
0285 106	7 x 10	18.0	672.0	790
0285 107	3 x 16	15.9	460.8	549
0285 108	4 x 16	17.5	614.4	713
0285 109	5 x 16	19.5	768.0	913
0285 110	7 x 16	21.4	1075	1211
0285 111	3 x 25	18.6	720.0	795
0285 112	4 x 25	20.6	960.0	1036
0285 113	5 x 25	22.9	1200	1325
0285 114	3 x 35	21.9	1008	1097
0285 115	4 x 35	24.5	1344	1447
0285 116	5 x 35	27.1	1680	1839
0285 117	3 x 50	27.5	1440	1608
0285 118	4 x 50	30.5	1920	2107
0285 119	5 x 50	34.0	2400	2707

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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TECHNOKONTROL YKSLY-P 300/500 V, TECHNOKONTROL YKSLY-P-Nr 300/500 V

APPLICATIONS

TECHNOKONTROL YKSLY-P 300/500 V and **TECHNOKONTROL YKSLY-P-Nr 300/500 V** are multipair flexible cables designed for control, protection and monitoring systems or power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLY-P 300/500 V** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLY-P-Nr 300/500 V** cable,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-P-O 300/500 V and TECHNOKONTROL YKSLY-P-Nr-O 300/500 V - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLY-P 300/500 V and TECHNOKONTROL YnKSLY-P-Nr 300/500 V - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLH-P 300/500 V and TECHNOKONTROL HKSLH-P-Nr 300/500 V - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY-P 300/500 V and TECHNOKONTROL YvKSLY-P-Nr 300/500 V - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·rms
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1
Referance standards	WT-TK-17
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0291 001	2 x 2 x 0,5	7.0	19.2	53
0291 002	3 x 2 x 0,5	7.4	28.8	63
0291 003	4 x 2 x 0,5	8.2	38.4	79
0291 009	5 x 2 x 0,5	9.0	48.0	94
0291 010	6 x 2 x 0,5	10.2	57.6	120
0291 011	7 x 2 x 0,5	10.2	67.2	133
0291 004	8 x 2 x 0,5	10.9	76.8	148
0291 012	10 x 2 x 0,5	12.6	96.0	187
0291 013	12 x 2 x 0,5	13.1	115.2	214
0291 014	14 x 2 x 0,5	14.2	134.4	251
0291 015	16 x 2 x 0,5	15.1	153.6	282
0291 016	18 x 2 x 0,5	15.8	172.8	311
0291 017	20 x 2 x 0,5	16.6	192.0	340
0291 018	24 x 2 x 0,5	18.0	230.4	398
0291 019	25 x 2 x 0,5	18.5	240.0	422
0291 020	27 x 2 x 0,5	19.1	259.2	451
0291 021	30 x 2 x 0,5	20.0	288.0	494
0291 022	31 x 2 x 0,5	20.3	297.6	508
0291 023	33 x 2 x 0,5	20.9	316.8	537
0291 024	2 x 2 x 0,75	7.6	28.8	69
0291 025	3 x 2 x 0,75	8.1	43.2	80
0291 026	4 x 2 x 0,75	8.9	57.6	100

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0291 008	5 x 2 x 0,75	10.2	72.0	131
0291 027	7 x 2 x 0,75	11.1	100.8	169
0291 028	8 x 2 x 0,75	12.1	115.2	196
0291 029	10 x 2 x 0,75	13.7	144.0	239
0291 030	12 x 2 x 0,75	14.6	172.8	284
0291 031	16 x 2 x 0,75	16.5	230.4	364
0291 032	18 x 2 x 0,75	17.3	259.2	403
0291 033	20 x 2 x 0,75	18.4	288.0	452
0291 034	24 x 2 x 0,75	19.9	345.6	530
0291 035	25 x 2 x 0,75	20.2	360.0	549
0291 036	27 x 2 x 0,75	20.9	388.8	587
0291 006	2 x 2 x 1,0	8.2	38.4	81
0291 037	3 x 2 x 1,0	8.7	57.6	97
0291 038	4 x 2 x 1,0	10.0	76.8	133
0291 039	5 x 2 x 1,0	11.0	96.0	160
0291 040	7 x 2 x 1,0	12.3	134.4	215
0291 041	10 x 2 x 1,0	15.1	192.0	303
0291 007	12 x 2 x 1,0	15.8	230.4	352
0291 042	14 x 2 x 1,0	16.9	268.8	402
0291 043	16 x 2 x 1,0	17.9	307.2	453
0291 044	18 x 2 x 1,0	19.0	345.6	512
0291 045	20 x 2 x 1,0	19.9	384.0	562

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0291 046	24 x 2 x 1,0	21.6	460.8	661
0291 047	2 x 2 x 1,5	9.2	57.6	103
0291 048	3 x 2 x 1,5	10.1	86.4	138
0291 049	4 x 2 x 1,5	11.1	115.2	173
0291 050	5 x 2 x 1,5	12.5	144.0	216
0291 051	7 x 2 x 1,5	13.6	201.6	284
0291 052	10 x 2 x 1,5	16.8	288.0	402
0291 053	12 x 2 x 1,5	17.6	345.6	468
0291 054	14 x 2 x 1,5	19.0	403.2	547
0291 055	16 x 2 x 1,5	20.2	460.8	617

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0291 056	20 x 2 x 1,5	22.3	576.0	754
0291 057	2 x 2 x 2,5	11.0	96.0	158
0291 058	3 x 2 x 2,5	11.7	144.0	198
0291 059	4 x 2 x 2,5	13.1	192.0	258
0291 060	5 x 2 x 2,5	14.7	240.0	321
0291 061	7 x 2 x 2,5	16.0	336.0	426
0291 062	10 x 2 x 2,5	19.7	480.0	602
0291 005	12 x 2 x 2,5	20.7	576.0	704
0291 063	14 x 2 x 2,5	22.2	672.0	810
0291 064	16 x 2 x 2,5	23.7	768.0	924

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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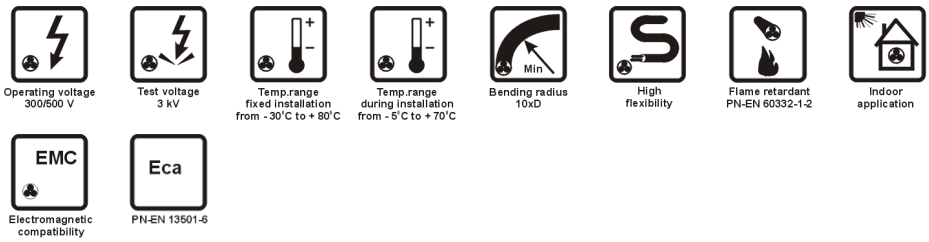
TECHNOKONTROL YKSLYekw-Nr 300/500 V, TECHNOKONTROL YKSLYekwżo-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YKSLYekw-Nr 300/500 V and **TECHNOKONTROL YKSLYekwżo-Nr 300/500 V** are flexible, overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYekwżo-Nr 300/500 V** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-Nr-O 300/500 V and **TECHNOKONTROL YKSLYekwżo-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw-Nr 300/500 V and **TECHNOKONTROL YnKSLYekwżo-Nr 300/500 V** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL YvKSLYekw-Nr 300/500 V and **TECHNOKONTROL YvKSLYekwżo-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0318 005	2 x 0,5	4.8	12	32
0318 006	3 x 0,5	5.1	16.8	39
0318 064	4 x 0,5	5.5	21.6	47
0318 036	5 x 0,5	6.0	26.4	56
0318 100	6 x 0,5	6.5	31.2	67
0318 007	7 x 0,5	6.5	36.0	69
0318 066	8 x 0,5	7.0	40.8	80
0318 085	10 x 0,5	8.1	50.4	94
0318 088	12 x 0,5	8.4	60.0	108
0318 097	14 x 0,5	8.8	69.6	122
0318 067	16 x 0,5	9.3	79.2	138
0318 151	18 x 0,5	10.2	88.8	170
0318 063	19 x 0,5	10.2	93.6	167
0318 058	20 x 0,5	10.7	98.4	182
0318 101	21 x 0,5	10.7	103.2	185
0318 008	24 x 0,5	12.0	117.6	212
0318 068	25 x 0,5	12.3	122.4	228
0318 065	30 x 0,5	12.7	146.4	254
0318 102	32 x 0,5	13.2	156	274
0318 009	2 x 0,75	5.2	19.2	40
0318 010	3 x 0,75	5.4	26.4	49

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0318 070	4 x 0,75	5.9	33.6	59
0318 011	5 x 0,75	6.4	40.8	72
0318 109	6 x 0,75	7.0	48.0	86
0318 039	7 x 0,75	7.0	55.2	89
0318 051	8 x 0,75	7.5	62.4	102
0318 003	10 x 0,75	8.8	76.8	121
0318 012	12 x 0,75	9.1	91.2	139
0318 004	14 x 0,75	10.0	105.6	168
0318 013	15 x 0,75	10.5	112.8	186
0318 047	16 x 0,75	10.5	120.0	189
0318 052	19 x 0,75	11.1	141.6	216
0318 053	20 x 0,75	11.6	148.8	234
0318 014	21 x 0,75	11.6	156.0	238
0318 099	24 x 0,75	13.1	177.6	276
0318 015	25 x 0,75	13.4	184.8	292
0318 095	26 x 0,75	13.4	192.0	296
0318 048	27 x 0,75	13.4	199.2	300
0318 086	30 x 0,75	13.8	220.8	328
0318 093	32 x 0,75	14.6	235.2	362
0318 149	36 x 0,75	15.1	264.0	408
0318 060	37 x 0,75	15.1	271.2	400

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0318 152	40 x 0,75	15.7	292.8	436
0318 110	42 x 0,75	16.2	307.2	465
0318 153	48 x 0,75	17.2	350.4	510
0318 111	50 x 0,75	17.7	364.8	539
0318 016	2 x 1,0	5.5	24.0	46
0318 017	3 x 1,0	5.8	33.6	58
0318 018	4 x 1,0	6.4	43.2	71
0318 001	5 x 1,0	6.9	52.8	87
0318 069	6 x 1,0	7.5	62.4	103
0318 019	7 x 1,0	7.5	72.0	108
0318 061	8 x 1,0	8.1	81.6	125
0318 020	10 x 1,0	9.9	100.8	159
0318 021	12 x 1,0	10.3	120.0	182
0318 022	14 x 1,0	10.8	139.2	207
0318 037	16 x 1,0	11.3	158.4	234
0318 098	18 x 1,0	12.2	177.6	268
0318 024	19 x 1,0	12.2	187.2	274
0318 079	20 x 1,0	12.8	196.8	297
0318 112	21 x 1,0	12.8	206.4	304
0318 038	24 x 1,0	14.4	235.2	346
0318 046	25 x 1,0	14.7	244.8	370
0318 147	26 x 1,0	14.7	254.4	385
0318 146	27 x 1,0	14.7	264.0	383
0318 072	30 x 1,0	15.2	292.8	416
0318 077	32 x 1,0	15.8	312.0	450
0318 148	34 x 1,0	16.4	331.2	497
0318 084	35 x 1,0	16.4	340.8	489
0318 096	36 x 1,0	16.4	350.4	495
0318 113	37 x 1,0	16.4	360.0	504
0318 025	40 x 1,0	17.0	388.8	540
0318 080	41 x 1,0	17.6	398.4	570
0318 114	42 x 1,0	17.6	408.0	591
0318 115	50 x 1,0	19.4	484.8	684
0318 026	2 x 1,5	6.1	36.0	58
0318 027	3 x 1,5	6.4	50.4	75
0318 028	4 x 1,5	7.0	64.8	93
0318 029	5 x 1,5	7.7	79.2	114
0318 073	6 x 1,5	8.3	93.6	136
0318 030	7 x 1,5	8.3	108	145

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0318 055	8 x 1,5	9.0	122.4	167
0318 031	10 x 1,5	11.0	151.2	211
0318 002	12 x 1,5	11.4	180.0	243
0318 032	14 x 1,5	12.2	208.8	283
0318 044	16 x 1,5	12.8	237.6	320
0318 089	18 x 1,5	13.5	266.4	358
0318 033	19 x 1,5	13.5	280.8	367
0318 050	20 x 1,5	14.4	295.2	405
0318 045	21 x 1,5	14.4	309.6	414
0318 034	24 x 1,5	16.0	352.8	465
0318 116	25 x 1,5	16.3	367.2	495
0318 090	27 x 1,5	16.3	396.0	513
0318 092	28 x 1,5	16.9	410.4	573
0318 071	30 x 1,5	16.9	439.2	562
0318 082	32 x 1,5	17.6	468.0	607
0318 091	33 x 1,5	17.6	482.4	616
0318 040	35 x 1,5	18.5	511.2	670
0318 145	36 x 1,5	18.5	525.6	678
0318 074	37 x 1,5	18.5	540.0	687
0318 154	40 x 1,5	19.2	583.2	743
0318 117	42 x 1,5	19.9	612.0	790
0318 075	44 x 1,5	20.7	640.8	809
0318 041	45 x 1,5	21.1	655.2	848
0318 076	48 x 1,5	21.1	698.4	874
0318 042	50 x 1,5	21.7	727.2	921
0318 043	55 x 1,5	22.3	799.2	999
0318 035	2 x 2,5	6.9	55.2	79
0318 062	3 x 2,5	7.3	79.2	104
0318 054	4 x 2,5	8.0	103.2	131
0318 059	5 x 2,5	8.8	127.2	163
0318 118	6 x 2,5	10.0	151.2	205
0318 094	7 x 2,5	10.0	175.2	219
0318 104	8 x 2,5	10.9	199.2	254
0318 081	10 x 2,5	12.9	247.2	311
0318 078	12 x 2,5	13.4	295.2	361
0318 049	14 x 2,5	14.3	343.2	420
0318 119	16 x 2,5	15.0	391.2	477
0318 120	2 x 4	8.3	86.4	116
0318 121	3 x 4	8.8	124.8	153

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0318 105	4 x 4	10.1	163.2	205
0318 122	5 x 4	11.1	201.6	254
0318 123	7 x 4	12.3	278.4	334
0318 124	3 x 6	10.6	182.4	227
0318 125	4 x 6	11.7	240.0	289
0318 126	5 x 6	13.0	297.6	369
0318 127	7 x 6	14.5	412.8	486
0318 128	3 x 10	13.4	297.6	373
0318 129	4 x 10	15.0	393.6	488
0318 130	5 x 10	16.5	489.6	613
0318 131	7 x 10	18.1	681.6	804
0318 132	3 x 16	16.0	475.2	565

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0318 133	4 x 16	17.6	628.8	730
0318 134	5 x 16	19.6	782.4	931
0318 135	7 x 16	21.5	1090	1229
0318 136	3 x 25	18.7	734.4	812
0318 137	4 x 25	20.7	974.4	1055
0318 138	5 x 25	23.0	1214	1344
0318 139	3 x 35	22.0	1022	1115
0318 140	4 x 35	24.6	1358	1466
0318 141	5 x 35	27.2	1694	1859
0318 142	3 x 50	27.6	1464	1636
0318 143	4 x 50	30.8	1944	2151
0318 144	5 x 50	34.1	2424	2736

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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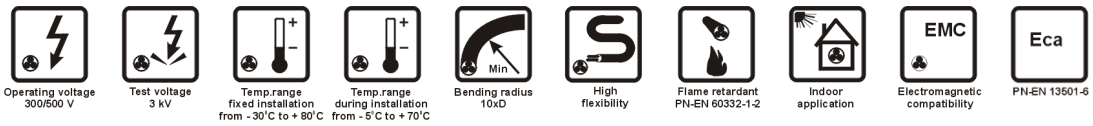
TECHNOKONTROL YKSLYekw 300/500 V, TECHNOKONTROL YKSLYekwżo 300/500 V



APPLICATIONS

TECHNOKONTROL YKSLYekw 300/500 V and **TECHNOKONTROL YKSLYekwżo 300/500 V** are flexible, overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our Technical Guide),
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYekwżo 300/500 V** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-O 300/500 V and **TECHNOKONTROL YKSLYekwżo-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw 300/500 V and **TECHNOKONTROL YnKSLYekwżo 300/500 V** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL YvKSLYekw 300/500 V and **TECHNOKONTROL YvKSLYekwżo 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0313 003	2 x 0,5	4.8	12.0	32
0313 004	3 x 0,5	5.1	16.8	39
0313 045	4 x 0,5	5.5	21.6	47
0313 038	5 x 0,5	6.0	26.4	56
0313 046	6 x 0,5	6.5	31.2	67
0313 005	7 x 0,5	6.5	36.0	69
0313 032	8 x 0,5	7.0	40.8	80
0313 006	10 x 0,5	8.1	50.4	94
0313 042	12 x 0,5	8.4	60.0	108
0313 043	14 x 0,5	8.8	69.6	122
0313 047	16 x 0,5	9.3	79.2	138
0313 126	19 x 0,5	10.2	93.6	167
0313 048	20 x 0,5	10.7	98.4	182
0313 049	21 x 0,5	10.7	103.2	185
0313 007	24 x 0,5	12.0	117.6	212
0313 050	25 x 0,5	12.3	122.4	228
0313 030	30 x 0,5	12.7	146.4	254
0313 051	32 x 0,5	13.2	156.0	274
0313 052	37 x 0,5	13.7	180.0	303
0313 053	42 x 0,5	14.9	204.0	356
0313 054	50 x 0,5	16.2	242.4	412

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0313 055	56 x 0,5	16.7	271.2	447
0313 008	2 x 0,75	5.2	19.2	40
0313 056	3 x 0,75	5.4	26.4	49
0313 057	4 x 0,75	5.9	33.6	59
0313 009	5 x 0,75	6.4	40.8	72
0313 058	6 x 0,75	7.0	48.0	86
0313 059	7 x 0,75	7.0	55.2	90
0313 060	8 x 0,75	7.5	62.4	103
0313 001	10 x 0,75	8.8	76.8	121
0313 010	12 x 0,75	9.1	91.2	139
0313 002	14 x 0,75	10.0	105.6	168
0313 061	16 x 0,75	10.5	120.0	191
0313 062	20 x 0,75	11.6	148.8	236
0313 063	21 x 0,75	11.6	156.0	240
0313 064	25 x 0,75	13.4	184.8	295
0313 065	32 x 0,75	14.6	235.2	365
0313 066	37 x 0,75	15.1	271.2	404
0313 067	42 x 0,75	16.2	307.2	465
0313 068	50 x 0,75	17.7	364.8	539
0313 011	2 x 1,0	5.5	24.0	46
0313 014	3 x 1,0	5.8	33.6	58

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0313 015	4 x 1,0	6.4	43.2	71
0313 039	5 x 1,0	6.9	52.8	87
0313 069	6 x 1,0	7.5	62.4	103
0313 028	7 x 1,0	7.5	72.0	108
0313 070	8 x 1,0	8.1	81.6	126
0313 016	10 x 1,0	9.9	100.8	159
0313 071	12 x 1,0	10.3	120.0	184
0313 072	14 x 1,0	10.8	139.2	208
0313 073	16 x 1,0	11.3	158.4	236
0313 017	19 x 1,0	12.2	187.2	274
0313 031	20 x 1,0	12.8	196.8	297
0313 074	21 x 1,0	12.8	206.4	304
0313 075	25 x 1,0	14.7	244.8	373
0313 076	32 x 1,0	15.8	312.0	453
0313 077	37 x 1,0	16.4	360.0	504
0313 078	42 x 1,0	17.6	408.0	580
0313 079	50 x 1,0	19.4	484.8	684
0313 018	2 x 1,5	6.1	36.0	58
0313 019	3 x 1,5	6.4	50.4	75
0313 021	4 x 1,5	7.0	64.8	93
0313 080	5 x 1,5	7.7	79.2	114
0313 081	6 x 1,5	8.3	93.6	136
0313 022	7 x 1,5	8.3	108.0	145
0313 082	8 x 1,5	9.0	122.4	167
0313 023	10 x 1,5	11.0	151.2	211
0313 027	12 x 1,5	11.4	180.0	243
0313 083	14 x 1,5	12.2	208.8	283
0313 084	16 x 1,5	12.8	237.6	320
0313 024	19 x 1,5	13.5	280.8	367
0313 085	20 x 1,5	14.4	295.2	405
0313 086	21 x 1,5	14.4	309.6	414
0313 025	24 x 1,5	16.0	352.8	465
0313 044	25 x 1,5	16.3	367.2	495
0313 087	32 x 1,5	17.6	468.0	607
0313 088	37 x 1,5	18.5	540.0	687
0313 089	42 x 1,5	19.9	612	790
0313 090	50 x 1,5	21.7	727.2	921

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0313 029	2 x 2,5	6.9	55.2	79
0313 091	3 x 2,5	7.3	79.2	104
0313 026	4 x 2,5	8.0	103.2	131
0313 092	5 x 2,5	8.8	127.2	163
0313 093	6 x 2,5	10.0	151.2	205
0313 094	7 x 2,5	10.0	175.2	219
0313 095	8 x 2,5	10.9	199.2	254
0313 096	10 x 2,5	12.9	247.2	311
0313 097	12 x 2,5	13.4	295.2	361
0313 098	14 x 2,5	14.3	343.2	420
0313 099	16 x 2,5	15.0	391.2	477
0313 100	2 x 4	8.3	86.4	114
0313 101	3 x 4	8.8	124.8	153
0313 102	4 x 4	10.1	163.2	205
0313 103	5 x 4	11.1	201.6	254
0313 104	7 x 4	12.3	278.4	334
0313 105	3 x 6	10.6	182.4	227
0313 106	4 x 6	11.7	240.0	289
0313 107	5 x 6	13.0	297.6	369
0313 108	7 x 6	14.5	412.8	486
0313 109	3 x 10	13.4	297.6	373
0313 110	4 x 10	15.0	393.6	488
0313 111	5 x 10	16.5	489.6	613
0313 112	7 x 10	18.1	681.6	804
0313 113	3 x 16	16.0	475.2	565
0313 114	4 x 16	17.6	628.8	730
0313 115	5 x 16	19.6	782.4	931
0313 116	7 x 16	21.5	1090	1229
0313 117	3 x 25	18.7	734.4	812
0313 118	4 x 25	20.7	974.4	1055
0313 119	5 x 25	23.0	1214	1344
0313 120	3 x 35	22.0	1022	1115
0313 121	4 x 35	24.6	1358	1466
0313 122	5 x 35	27.2	1694	1859
0313 123	3 x 50	27.6	1464	1636
0313 124	4 x 50	30.8	1944	2151
0313 125	5 x 50	34.1	2424	2736

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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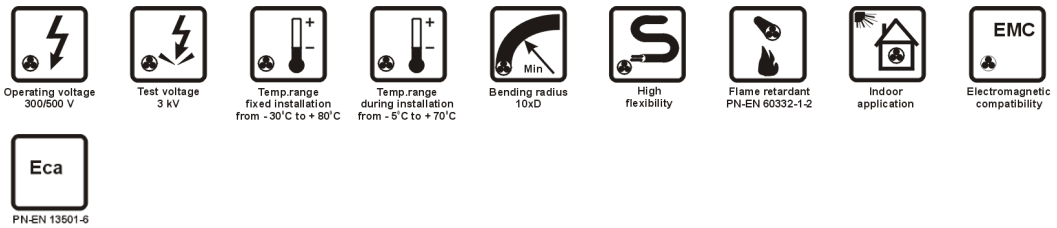
TECHNOKONTROL YKSLYekw-P 300/500 V, TECHNOKONTROL YKSLYekw-P-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YKSLYekw-P 300/500 V and **TECHNOKONTROL YKSLYekw-P-Nr 300/500 V** are multipair flexible, overall shielded cables designed for control, protection and monitoring systems or power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLYekw-P 300/500 V** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLYekw-P-Nr 300/500 V** cable,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-P-O 300/500 V and **TECHNOKONTROL YKSLYekw-P-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw-P 300/500 V and **TECHNOKONTROL YnKSLYekw-P-Nr 300/500 V** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL YvKSLYekw-P 300/500 V and **TECHNOKONTROL YvKSLYekw-P-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1
Referance standards	WT-TK-17
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0325 002	2 x 2 x 0,5	7.1	21.6	58
0325 003	3 x 2 x 0,5	7.5	31.2	68
0325 004	4 x 2 x 0,5	8.3	40.8	83
0325 005	5 x 2 x 0,5	9.1	50.4	99
0325 006	6 x 2 x 0,5	10.3	60.0	125
0325 007	7 x 2 x 0,5	10.3	69.6	138
0325 008	8 x 2 x 0,5	11.0	79.2	154
0325 009	10 x 2 x 0,5	12.7	98.4	192
0325 010	12 x 2 x 0,5	13.2	117.6	220
0325 037	14 x 2 x 0,5	14.3	136.8	257
0325 012	16 x 2 x 0,5	15.2	156.0	288
0325 013	18 x 2 x 0,5	15.9	175.2	317
0325 048	20 x 2 x 0,5	16.7	194.4	347
0325 014	24 x 2 x 0,5	18.1	232.8	406
0325 051	25 x 2 x 0,5	18.6	242.4	429
0325 052	30 x 2 x 0,5	20.1	290.4	502
0325 053	31 x 2 x 0,5	20.4	300.0	517
0325 054	33 x 2 x 0,5	21.0	319.2	546
0325 015	2 x 2 x 0,75	7.7	33.6	76
0325 149	3 x 2 x 0,75	8.2	48.0	86
0325 032	4 x 2 x 0,75	9.0	62.4	107
0325 047	5 x 2 x 0,75	10.3	76.8	138

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0325 033	7 x 2 x 0,75	11.2	105.6	176
0325 041	10 x 2 x 0,75	13.8	148.8	247
0325 034	12 x 2 x 0,75	14.7	177.6	292
0325 039	14 x 2 x 0,75	15.7	206.4	333
0325 044	16 x 2 x 0,75	16.6	235.2	373
0325 055	24 x 2 x 0,75	20.0	350.4	539
0325 056	27 x 2 x 0,75	21.0	393.6	598
0325 001	2 x 2 x 1,0	8.3	43.2	88
0325 016	3 x 2 x 1,0	8.8	62.4	104
0325 017	4 x 2 x 1,0	10.1	81.6	140
0325 018	5 x 2 x 1,0	11.1	100.8	167
0325 038	7 x 2 x 1,0	12.4	139.2	223
0325 020	10 x 2 x 1,0	15.2	196.8	312
0325 036	12 x 2 x 1,0	15.9	235.2	360
0325 021	14 x 2 x 1,0	17.0	273.6	411
0325 040	16 x 2 x 1,0	18.0	312.0	462
0325 023	24 x 2 x 1,0	21.7	465.6	672
0325 025	2 x 2 x 1,5	9.3	64.8	112
0325 045	3 x 2 x 1,5	10.2	93.6	147
0325 030	4 x 2 x 1,5	11.2	122.4	183
0325 026	7 x 2 x 1,5	13.7	208.8	294
0325 031	10 x 2 x 1,5	16.9	295.2	413

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0325 057	12 x 2 x 1,5	17.7	352.8	480
0325 058	14 x 2 x 1,5	19.1	410.4	558
0325 059	16 x 2 x 1,5	20.3	468.0	629
0325 060	20 x 2 x 1,5	22.6	583.2	778
0325 028	2 x 2 x 2,5	11.1	103.2	167
0325 061	3 x 2 x 2,5	12.0	151.2	213
0325 062	4 x 2 x 2,5	13.2	199.2	268

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0325 063	5 x 2 x 2,5	14.8	247.2	331
0325 064	7 x 2 x 2,5	16.1	343.2	436
0325 065	10 x 2 x 2,5	19.8	487.2	613
0325 066	12 x 2 x 2,5	20.8	583.2	717
0325 067	14 x 2 x 2,5	22.3	679.2	823
0325 068	16 x 2 x 2,5	23.8	775.2	937

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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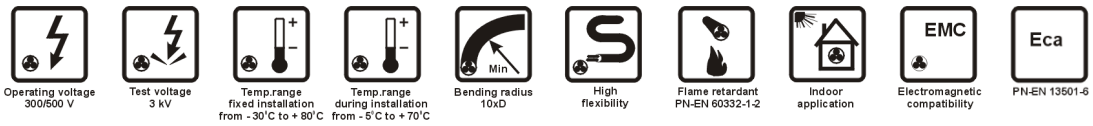
TECHNOKONTROL YKSLYekpekw 300/500 V, TECHNOKONTROL YKSLYekpekw-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YKSLYekpekw 300/500 V and **TECHNOKONTROL YKSLYekpekw-Nr 300/500 V** are multipair, pair and overall shielded cables intended for control and protection systems or power supply, all in power engineering.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLYekpekw 300/500 V** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLYekpekw-Nr 300/500 V** cable,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YvKSLYekpekw 300/500 V and **TECHNOKONTROL YvKSLYekpekw-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLYekpekw-O 300/500 V and **TECHNOKONTROL YKSLYekpekw-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekpekw 300/500 V and **TECHNOKONTROL YnKSLYekpekw-Nr 300/500 V** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

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Connecting since 1982

RoHS COMPLIANT CE

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-17
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0303 005	2 x 2 x 0,5	8.4	26.7	78,5
0303 035	3 x 2 x 0,5	8.9	38.8	101,0
0303 007	4 x 2 x 0,5	9.7	50.9	125,5
0303 008	5 x 2 x 0,5	11.1	63.0	160,0
0303 025	6 x 2 x 0,5	12.0	75.2	186,0
0303 009	8 x 2 x 0,5	12.8	99.4	230,5
0303 036	10 x 2 x 0,5	14.7	123.7	287,5
0303 010	12 x 2 x 0,5	15.4	147.0	333,0
0303 032	14 x 2 x 0,5	16.4	170.4	379,5
0303 011	16 x 2 x 0,5	17.3	196.5	426,5
0303 037	18 x 2 x 0,5	18.2	220.7	473,5
0303 012	24 x 2 x 0,5	21.1	293.5	629,5
0303 001	2 x 2 x 0,75	9.3	43.6	101,0
0303 002	3 x 2 x 0,75	10.2	63.0	142,0
0303 021	4 x 2 x 0,75	11.2	82.5	175,5
0303 038	5 x 2 x 0,75	12.3	101.9	210,5
0303 024	8 x 2 x 0,75	14.4	160.1	313,5
0303 033	10 x 2 x 0,75	16.4	198.9	382,5
0303 039	12 x 2 x 0,75	17.1	237.8	445,0
0303 040	16 x 2 x 0,75	19.8	315.4	591,5

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0303 003	2 x 2 x 1,0	9.5	53.4	112,0
0303 014	3 x 2 x 1,0	10.6	77.7	159,5
0303 022	4 x 2 x 1,0	11.6	102.0	199,0
0303 004	5 x 2 x 1,0	12.8	126.3	239,5
0303 016	8 x 2 x 1,0	15.0	199.2	359,5
0303 020	10 x 2 x 1,0	17.0	247.8	439,0
0303 017	12 x 2 x 1,0	17.8	296.4	513,0
0303 023	2 x 2 x 1,5	11.8	78.7	166,5
0303 027	3 x 2 x 1,5	12.3	114.4	219,0
0303 018	4 x 2 x 1,5	13.7	150.2	276,5
0303 019	5 x 2 x 1,5	15.3	185.9	341,5
0303 041	8 x 2 x 1,5	17.7	293.1	506,0
0303 042	10 x 2 x 1,5	20.6	364.6	640,0
0303 043	2 x 2 x 2,5	13.1	116.9	216,0
0303 044	3 x 2 x 2,5	13.8	171.7	292,0
0303 045	4 x 2 x 2,5	15.5	226.5	378,0
0303 034	5 x 2 x 2,5	17.1	281.4	459,0
0303 046	8 x 2 x 2,5	20.3	447.9	708,5
0303 047	10 x 2 x 2,5	23.6	555.6	892,0

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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Connecting since 1982

TECHNOKONTROL YKSLXS-Nr 300/500 V, TECHNOKONTROL YKSLXSżo-Nr 300/500 V

APPLICATIONS

TECHNOKONTROL YKSLXS-Nr 300/500 V and **TECHNOKONTROL YKSLXSżo-Nr 300/500 V** are cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black cross-linked polyethylene (XLPE) insulation and white conductor number printed on it,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **YKSLXSżo-Nr 300/500 V** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXS-Nr-O 300/500 V and **TECHNOKONTROL YKSLXSżo-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXS-Nr 300/500 V and **TECHNOKONTROL HKSLXSżo-Nr 300/500 V** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXS-Nr 300/500 V and **TECHNOKONTROL YvKSLXSżo-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386
Capacitance between conductors at 1 kHz, appr.	nF/km	60	60	60	70	70	80	80	80	80	80	80	80

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RoHS COMPLIANT CE

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Inductance, approximate	0,7 mH/km
Insulation resistance, minimum	100 MΩ·km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0895 004	2 x 0,5	5.1	9.6	29
0895 005	3 x 0,5	5.4	14.4	36
0895 006	4 x 0,5	5.9	19.2	44
0895 007	5 x 0,5	6.4	24.0	54
0895 008	6 x 0,5	7.0	28.8	65
0895 009	7 x 0,5	7.0	33.6	66
0895 010	10 x 0,5	8.8	48.0	91
0895 011	12 x 0,5	9.1	57.6	104
0895 012	16 x 0,5	10.5	76.8	144
0895 013	20 x 0,5	11.6	96.0	179
0895 014	25 x 0,5	13.4	120.0	225
0895 015	32 x 0,5	14.6	153.6	277
0895 016	37 x 0,5	15.2	177.6	304
0895 017	44 x 0,5	17.0	211.2	356
0895 018	2 x 0,75	5.5	14.4	35
0895 019	3 x 0,75	5.8	21.6	44
0895 020	4 x 0,75	6.3	28.8	54
0895 021	5 x 0,75	6.9	36.0	67
0895 022	6 x 0,75	7.5	43.2	80
0895 023	7 x 0,75	7.5	50.4	83
0895 024	10 x 0,75	9.9	72.0	125
0895 025	12 x 0,75	10.2	86.4	142
0895 026	16 x 0,75	11.3	115.2	183
0895 027	20 x 0,75	12.8	144.0	235
0895 028	25 x 0,75	14.7	180.0	294

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0895 029	32 x 0,75	15.8	230.4	354
0895 003	34 x 0,75	16.4	244.8	382
0895 001	2 x 1,0	5.8	19.2	40
0895 030	3 x 1,0	6.2	28.8	52
0895 031	4 x 1,0	6.7	38.4	65
0895 032	5 x 1,0	7.4	48.0	82
0895 033	6 x 1,0	8.0	57.6	98
0895 034	7 x 1,0	8.0	67.2	102
0895 035	10 x 1,0	10.6	96.0	152
0895 036	12 x 1,0	11.0	115.2	175
0895 037	16 x 1,0	12.4	153.6	233
0895 038	20 x 1,0	13.7	192.0	289
0895 039	25 x 1,0	15.8	240.0	363
0895 040	2 x 1,5	6.4	28.8	51
0895 041	3 x 1,5	6.7	43.2	68
0895 042	4 x 1,5	7.4	57.6	85
0895 002	5 x 1,5	8.1	72.0	107
0895 043	6 x 1,5	8.8	86.4	128
0895 044	7 x 1,5	8.8	100.8	135
0895 045	10 x 1,5	11.7	144.0	201
0895 046	12 x 1,5	12.3	172.8	239
0895 047	16 x 1,5	13.7	230.4	310
0895 048	20 x 1,5	15.4	288.0	395
0895 049	25 x 1,5	17.5	360.0	484
0895 050	2 x 2,5	7.2	48.0	71

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0895 051	3 x 2,5	7.7	72.0	96
0895 052	4 x 2,5	8.4	96.0	122
0895 053	5 x 2,5	9.3	120.0	154
0895 054	6 x 2,5	10.5	144.0	197
0895 055	7 x 2,5	10.5	168.0	209
0895 056	10 x 2,5	13.6	240.0	300
0895 057	12 x 2,5	14.3	288.0	356
0895 058	16 x 2,5	15.9	384.0	464
0895 059	20 x 2,5	17.6	480.0	579
0895 060	2 x 4,0	8.2	76.8	99
0895 061	3 x 4,0	8.7	115.2	136
0895 062	4 x 4,0	10.0	153.6	185
0895 063	5 x 4,0	11.0	192.0	232
0895 064	7 x 4,0	12.2	268.8	307
0895 065	3 x 6,0	10.5	172.8	216
0895 066	4 x 6,0	11.6	230.4	278
0895 067	5 x 6,0	12.9	288.0	357
0895 068	7 x 6,0	14.4	403.2	474

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0895 069	3 x 10,0	13.3	288.0	361
0895 070	4 x 10,0	14.9	384.0	475
0895 071	5 x 10,0	16.4	480.0	600
0895 072	7 x 10,0	18.0	672.0	790
0895 073	3 x 16,0	15.9	460.8	549
0895 074	4 x 16,0	17.5	614.4	713
0895 075	5 x 16,0	19.5	768.0	913
0895 076	7 x 16,0	21.4	1075	1211
0895 077	3 x 25,0	18.6	720.0	795
0895 078	4 x 25,0	20.6	960.0	1036
0895 079	5 x 25,0	22.9	1200	1325
0895 080	3 x 35,0	21.9	1008	1097
0895 081	4 x 35,0	24.5	1344	1447
0895 082	5 x 35,0	27.1	1680	1839
0895 083	3 x 50,0	27.5	1440	1608
0895 084	4 x 50,0	30.5	1920	2107
0895 085	5 x 50,0	34.0	2400	2707

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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TECHNOKONTROL YKSLXS-P-Nr 300/500 V

APPLICATIONS

TECHNOKONTROL YKSLXS-P-Nr 300/500 V are multipair cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) - insulation identification of pairs: black and brown insulation and white pair numbers printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXS-P-Nr-O 300/500 V - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXS-P-Nr 300/500 V - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXS-P-Nr 300/500 V - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28
Capacitance between conductors at 1 kHz, appr.	nF/km	60	65	65	70	75

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1344 003	2 x 2 x 0,5	7.7	19.2	60
1344 004	3 x 2 x 0,5	8.2	28.8	65
1344 005	4 x 2 x 0,5	9.0	38.4	80
1344 006	5 x 2 x 0,5	10.3	48.0	106
1344 007	6 x 2 x 0,5	11.2	57.6	123
1344 008	8 x 2 x 0,5	12.2	76.8	157
1344 009	10 x 2 x 0,5	13.8	96.0	190
1344 010	12 x 2 x 0,5	14.7	115.2	225
1344 011	16 x 2 x 0,5	16.6	153.6	285
1344 012	18 x 2 x 0,5	17.5	172.8	315
1344 013	24 x 2 x 0,5	20.1	230.4	412
1344 014	27 x 2 x 0,5	21.1	259.2	455
1344 015	30 x 2 x 0,5	22.2	288.0	498
1344 016	31 x 2 x 0,5	22.7	297.6	524
1344 017	33 x 2 x 0,5	23.3	316.8	552
1344 018	2 x 2 x 0,75	8.3	28.8	71
1344 019	3 x 2 x 0,75	8.8	43.2	81
1344 020	4 x 2 x 0,75	10.1	57.6	111
1344 021	5 x 2 x 0,75	11.1	72.0	132
1344 022	8 x 2 x 0,75	13.2	115.2	197
1344 023	10 x 2 x 0,75	15.2	144.0	248
1344 024	12 x 2 x 0,75	15.9	172.8	285
1344 025	16 x 2 x 0,75	18.0	230.4	363
1344 026	18 x 2 x 0,75	19.2	259.2	412
1344 027	20 x 2 x 0,75	20.1	288.0	451
1344 028	25 x 2 x 0,75	22.2	360.0	547

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1344 029	27 x 2 x 0,75	23.2	388.8	596
1344 030	30 x 2 x 0,75	24.3	432.0	652
1344 002	2 x 2 x 1,0	8.9	38.4	83
1344 031	3 x 2 x 1,0	9.9	57.6	108
1344 002	4 x 2 x 1,0	10.9	76.8	134
1344 032	5 x 2 x 1,0	12.2	96.0	167
1344 033	8 x 2 x 1,0	14.4	153.6	250
1344 034	10 x 2 x 1,0	16.3	192.0	304
1344 035	12 x 2 x 1,0	17.1	230.4	351
1344 036	14 x 2 x 1,0	18.5	268.8	410
1344 037	16 x 2 x 1,0	19.6	307.2	460
1344 038	20 x 2 x 1,0	21.7	384.0	559
1344 039	24 x 2 x 1,0	23.7	460.8	667
1344 040	2 x 2 x 1,5	10.2	57.6	118
1344 041	3 x 2 x 1,5	10.9	86.4	140
1344 042	4 x 2 x 1,5	12.2	115.2	181
1344 043	5 x 2 x 1,5	13.4	144.0	218
1344 044	6 x 2 x 1,5	14.8	172.8	262
1344 045	8 x 2 x 1,5	15.8	230.4	329
1344 046	10 x 2 x 1,5	18.1	288.0	403
1344 047	12 x 2 x 1,5	19.1	345.6	478
1344 048	16 x 2 x 1,5	21.7	460.8	616
1344 049	20 x 2 x 1,5	24.2	576.0	762
1344 050	2 x 2 x 2,5	11.7	96.0	164
1344 051	3 x 2 x 2,5	12.6	144.0	205
1344 052	4 x 2 x 2,5	13.9	192.0	259

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1344 053	5 x 2 x 2,5	15.6	240.0	323
1344 054	7 x 2 x 2,5	17.0	336.0	426
1344 055	10 x 2 x 2,5	21.0	480.0	602

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1344 056	12 x 2 x 2,5	22.0	576.0	703
1344 057	14 x 2 x 2,5	23.8	672.0	817
1344 058	16 x 2 x 2,5	25.3	768.0	922

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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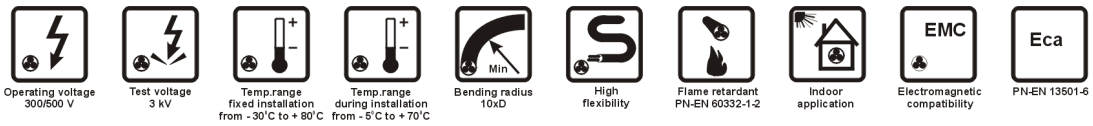
TECHNOKONTROL YKSLXSekw-Nr 300/500 V, TECHNOKONTROL YKSLXSekwżo-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YKSLXSekw-Nr 300/500 V and **TECHNOKONTROL YKSLXSekwżo-Nr 300/500 V** are overall shielded cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black cross-linked polyethylene (XLPE) insulation and white conductor number printed on it,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **YKSLXSekwżo-Nr 300/500 V** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXSekw-Nr-O 300/500 V and **TECHNOKONTROL YKSLXSekwżo-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXSekw-Nr 300/500 V and **TECHNOKONTROL HKSLXSekwżo-Nr 300/500 V** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXSekw-Nr 300/500 V and **TECHNOKONTROL YvKSLXSekwżo-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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RoHS COMPLIANT CE

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386
Capacitance between conductors at 1 kHz, appr.	nF/km	60	60	60	70	70	80	80	80	80	80	80	80

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1094 010	2 x 0,5	5.2	12.0	33
1094 011	3 x 0,5	5.5	16.8	40
1094 012	4 x 0,5	6.0	21.6	48
1094 013	5 x 0,5	6.5	26.4	58
1094 014	6 x 0,5	7.1	31.2	69
1094 015	7 x 0,5	7.1	36.0	70
1094 016	10 x 0,5	8.9	50.4	95
1094 017	12 x 0,5	9.2	60.0	109
1094 018	16 x 0,5	10.6	79.2	149
1094 019	20 x 0,5	11.7	98.4	184
1094 020	25 x 0,5	13.5	122.4	231
1094 021	32 x 0,5	14.7	156.0	283
1094 022	37 x 0,5	15.3	180.0	310
1094 023	40 x 0,5	15.8	194.4	333
1094 007	2 x 0,75	5.6	19.2	40
1094 024	3 x 0,75	5.9	26.4	50
1094 025	4 x 0,75	6.4	33.6	60
1094 026	5 x 0,75	7.0	40.8	74
1094 027	6 x 0,75	7.6	48.0	87
1094 028	7 x 0,75	7.6	55.2	89

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1094 029	10 x 0,75	10.0	76.8	132
1094 030	12 x 0,75	10.3	91.2	149
1094 031	16 x 0,75	11.4	120.0	190
1094 032	20 x 0,75	12.9	148.8	242
1094 033	25 x 0,75	14.8	184.8	302
1094 034	32 x 0,75	15.9	235.2	363
1094 035	34 x 0,75	16.5	249.6	391
1094 036	2 x 1,0	5.9	24.0	46
1094 037	3 x 1,0	6.3	33.6	59
1094 038	4 x 1,0	6.8	43.2	72
1094 039	5 x 1,0	7.5	52.8	88
1094 040	6 x 1,0	8.1	62.4	104
1094 041	7 x 1,0	8.1	72.0	108
1094 042	10 x 1,0	10.7	100.8	159
1094 043	12 x 1,0	11.1	120.0	183
1094 001	16 x 1,0	12.5	158.4	240
1094 044	20 x 1,0	13.8	196.8	297
1094 045	25 x 1,0	15.9	244.8	371
1094 046	2 x 1,5	6.5	36.0	59
1094 008	3 x 1,5	6.8	50.4	76

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1094 002	4 x 1,5	7.5	64.8	93
1094 005	5 x 1,5	8.2	79.2	115
1094 047	6 x 1,5	8.9	93.6	137
1094 004	7 x 1,5	8.9	108.0	144
1094 048	10 x 1,5	12.0	151.2	216
1094 049	12 x 1,5	12.4	180.0	249
1094 050	16 x 1,5	13.8	237.6	320
1094 051	20 x 1,5	15.5	295.2	405
1094 052	25 x 1,5	17.6	367.2	495
1094 009	2 x 2,5	7.3	55.2	80
1094 053	3 x 2,5	7.8	79.2	105
1094 054	4 x 2,5	8.5	103.2	131
1094 055	5 x 2,5	9.8	127.2	173
1094 056	6 x 2,5	10.6	151.2	206
1094 057	7 x 2,5	10.6	175.2	218
1094 058	10 x 2,5	13.7	247.2	310
1094 059	12 x 2,5	14.4	295.2	366
1094 060	14 x 2,5	15.1	343.2	417
1094 061	16 x 2,5	16.0	391.2	474
1094 062	4 x 4	10.1	163.2	196
1094 063	5 x 4	11.1	201.6	244
1094 064	7 x 4	12.3	278.4	319

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1094 065	3 x 6	10.6	182.4	215
1094 066	4 x 6	11.7	240.0	274
1094 067	5 x 6	13.0	297.6	350
1094 068	7 x 6	14.5	412.8	462
1094 069	3 x 10	13.4	297.6	355
1094 070	4 x 10	15.0	393.6	464
1094 071	5 x 10	16.5	489.6	582
1094 072	7 x 10	18.1	681.6	763
1094 073	3 x 16	16.0	475.2	537
1094 074	4 x 16	17.6	628.8	693
1094 075	5 x 16	19.6	782.4	884
1094 076	7 x 16	21.5	1089	1167
1094 077	3 x 25	18.7	734.4	771
1094 078	4 x 25	20.7	974.4	1002
1094 079	5 x 25	23.0	1214	1276
1094 080	3 x 35	22.0	1022	1060
1094 081	4 x 35	24.6	1358	1392
1094 082	5 x 35	27.2	1694	1766
1094 083	3 x 50	27.6	1464	1554
1094 084	4 x 50	30.8	1944	2046
1094 085	5 x 50	34.1	2424	2600

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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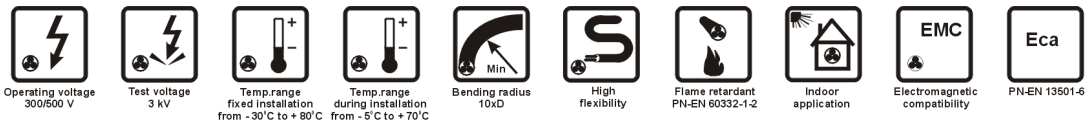
TECHNOKONTROL YKSLXSekw-P-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YKSLXSekw-P-Nr 300/500 V are multipair overall shielded cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - identification of pairs: black and brown insulation and white pair numbers printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXSekw-P-Nr-O 300/500 V - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXSekw-P-Nr 300/500 V - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXSekw-P-Nr 300/500 V - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	55	60	60	65	70

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0715 006	2 x 2 x 0,5	7.8	21.6	64
0715 007	3 x 2 x 0,5	8.3	31.2	70
0715 008	4 x 2 x 0,5	9.1	40.8	85
0715 009	5 x 2 x 0,5	10.4	50.4	111
0715 010	6 x 2 x 0,5	11.3	60.0	128
0715 011	8 x 2 x 0,5	12.3	79.2	163
0715 012	10 x 2 x 0,5	13.9	98.4	196
0715 013	12 x 2 x 0,5	14.8	117.6	232
0715 014	16 x 2 x 0,5	16.7	156.0	292
0715 015	18 x 2 x 0,5	17.6	175.2	322
0715 016	24 x 2 x 0,5	20.2	232.8	420
0715 017	27 x 2 x 0,5	21.2	261.6	463
0715 018	30 x 2 x 0,5	22.3	290.4	507
0715 019	2 x 2 x 0,75	8.4	33.6	77
0715 020	3 x 2 x 0,75	8.9	48.0	87
0715 001	4 x 2 x 0,75	10.2	62.4	118
0715 021	5 x 2 x 0,75	11.2	76.8	139
0715 022	8 x 2 x 0,75	13.3	120.0	205
0715 023	10 x 2 x 0,75	15.3	148.8	256
0715 024	12 x 2 x 0,75	16.0	177.6	293

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0715 025	16 x 2 x 0,75	18.1	235.2	372
0715 026	18 x 2 x 0,75	19.3	264.0	421
0715 002	2 x 2 x 1,0	9.0	43.2	89
0715 027	3 x 2 x 1,0	10.0	62.4	115
0715 028	4 x 2 x 1,0	11.0	81.6	142
0715 029	5 x 2 x 1,0	12.3	100.8	175
0715 030	8 x 2 x 1,0	14.5	158.4	258
0715 031	10 x 2 x 1,0	16.4	196.8	312
0715 032	12 x 2 x 1,0	17.2	235.2	360
0715 033	14 x 2 x 1,0	18.6	273.6	419
0715 034	16 x 2 x 1,0	19.7	312.0	470
0715 004	2 x 2 x 1,5	10.3	64.8	127
0715 035	3 x 2 x 1,5	11.0	93.6	149
0715 036	4 x 2 x 1,5	12.3	122.4	191
0715 037	5 x 2 x 1,5	13.5	151.2	228
0715 005	8 x 2 x 1,5	15.9	237.6	340
0715 038	10 x 2 x 1,5	18.4	295.2	424
0715 039	12 x 2 x 1,5	19.2	352.8	490
0715 040	14 x 2 x 1,5	20.6	410.4	560
0715 041	2 x 2 x 2,5	12.0	103.2	179

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0715 042	3 x 2 x 2,5	12.7	151.2	215
0715 043	4 x 2 x 2,5	14.2	199.2	277
0715 044	5 x 2 x 2,5	15.7	247.2	333

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0715 045	7 x 2 x 2,5	17.1	343.2	437
0715 046	10 x 2 x 2,5	21.1	487.2	614
0715 047	12 x 2 x 2,5	22.1	583.2	715

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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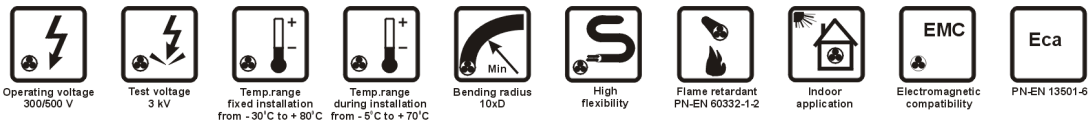
TECHNOKONTROL YKSLXSekpekw-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YKSLXSekpekw-Nr 300/500 V are multipair, pair and overall shielded cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - identification of pairs: black and brown insulation and white pair numbers printed on it,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXSekpekw-Nr-O 300/500 V - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXSekpekw-Nr 300/500 V - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXSekpekw-Nr 300/500 V - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	80	90	100	110	130

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Capacitance between conductor and screen, appr.	200 nF/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0714 010	2 x 2 x 0,5	9.8	26.7	84.0
0714 011	3 x 2 x 0,5	10.8	38.8	117.0
0714 012	4 x 2 x 0,5	11.8	50.9	143.5
0714 013	5 x 2 x 0,5	12.9	63.0	170.5
0714 014	6 x 2 x 0,5	14.1	75.2	197.7
0714 015	8 x 2 x 0,5	15.2	99.4	251.8
0714 016	10 x 2 x 0,5	17.3	123.7	305.7
0714 017	12 x 2 x 0,5	18.1	147.9	352.5
0714 018	16 x 2 x 0,5	20.9	196.5	469.4
0714 019	18 x 2 x 0,5	21.9	220.7	519.1
0714 020	24 x 2 x 0,5	25.3	293.5	687.2
0714 001	2 x 2 x 0,75	11.1	43.6	118.0
0714 021	3 x 2 x 0,75	11.7	63.0	152.0
0714 004	4 x 2 x 0,75	12.9	82.5	188.0
0714 022	5 x 2 x 0,75	14.1	101.9	225.0
0714 023	8 x 2 x 0,75	16.6	160.1	336.0
0714 024	10 x 2 x 0,75	19.3	198.9	426.5
0714 006	12 x 2 x 0,75	20.2	237.8	493.5
0714 025	16 x 2 x 0,75	23.3	315.4	652.5

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0714 002	2 x 2 x 1,0	11.3	53.4	129.5
0714 026	3 x 2 x 1,0	12.1	77.7	170.0
0714 027	4 x 2 x 1,0	13.3	102.0	212.0
0714 028	5 x 2 x 1,0	14.8	126.3	260.5
0714 029	8 x 2 x 1,0	17.2	199.2	381.5
0714 030	10 x 2 x 1,0	20.0	247.8	483.5
0714 031	12 x 2 x 1,0	20.9	296.4	561.5
0714 003	2 x 2 x 1,5	12.4	78.7	163.5
0714 007	3 x 2 x 1,5	13.0	114.4	214.5
0714 005	4 x 2 x 1,5	14.7	150.2	277.0
0714 032	5 x 2 x 1,5	16.2	185.9	333.7
0714 033	8 x 2 x 1,5	19.2	293.1	510.7
0714 034	10 x 2 x 1,5	21.9	364.6	625.0
0714 008	2 x 2 x 2,5	13.3	116.9	211.5
0714 035	3 x 2 x 2,5	14.1	171.7	285.1
0714 009	4 x 2 x 2,5	15.7	226.5	369.6
0714 036	5 x 2 x 2,5	17.3	281.4	448.6
0714 037	7 x 2 x 2,5	19.3	445.9	614.5
0714 038	10 x 2 x 2,5	23.9	555.6	872.8

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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TECHNOKONTROL YKSLY-Nr 0,6/1 kV, TECHNOKONTROL YKSLYżo-Nr 0,6/1 kV

APPLICATIONS

TECHNOKONTROL YKSLY-Nr 0,6/1 kV and **TECHNOKONTROL YKSLYżo-Nr 0,6/1 kV** are flexible cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYżo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-Nr-O 0,6/1 kV and **TECHNOKONTROL YKSLYżo-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLY-Nr 0,6/1 kV and **TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLH-Nr 0,6/1 kV and TECHNOKONTROL HKSLHżo-Nr 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY-Nr 0,6/1 kV and **TECHNOKONTROL YvKSLYżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

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Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0287 003	2 x 0,75	6.4	14.4	49
0287 051	3 x 0,75	6.8	21.6	62
0287 004	4 x 0,75	7.4	28.8	76
0287 075	5 x 0,75	8.0	36.0	94
0287 044	6 x 0,75	8.7	43.2	112
0287 050	7 x 0,75	8.7	50.4	116
0287 052	8 x 0,75	9.4	57.6	135
0287 037	10 x 0,75	11.2	72.0	165
0287 039	12 x 0,75	11.6	86.4	190
0287 056	14 x 0,75	12.4	100.8	222
0287 053	16 x 0,75	13.1	115.2	252
0287 071	20 x 0,75	14.7	144.0	320
0287 076	21 x 0,75	14.7	151.2	324
0287 077	25 x 0,75	16.6	180.0	390
0287 078	32 x 0,75	17.9	230.4	472
0287 038	37 x 0,75	19.0	266.4	541
0287 079	40 x 0,75	19.7	288.0	584
0287 080	42 x 0,75	20.4	302.4	625
0287 081	50 x 0,75	22.2	360.0	723
0287 082	56 x 0,75	23.3	403.2	808
0287 083	61 x 0,75	24.0	439.2	866
0287 084	65 x 0,75	24.7	468.0	921
0287 085	75 x 0,75	26.7	540.0	1044
0287 086	80 x 0,75	27.3	576.0	1104
0287 087	100 x 0,75	30.0	720.0	1368
0287 005	2 x 1,0	6.8	19.2	56
0287 006	3 x 1,0	7.2	28.8	72
0287 007	4 x 1,0	7.8	38.4	89

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0287 008	5 x 1,0	8.5	48.0	110
0287 059	6 x 1,0	9.3	57.6	131
0287 028	7 x 1,0	9.3	67.2	137
0287 029	8 x 1,0	10.2	76.8	165
0287 009	10 x 1,0	12.2	96.0	203
0287 045	12 x 1,0	12.5	115.2	232
0287 010	14 x 1,0	13.2	134.4	264
0287 041	16 x 1,0	13.9	153.6	300
0287 013	20 x 1,0	15.6	192.0	381
0287 074	21 x 1,0	15.6	201.6	387
0287 068	25 x 1,0	17.7	240.0	466
0287 088	32 x 1,0	19.5	307.2	588
0287 089	37 x 1,0	20.2	355.2	650
0287 090	40 x 1,0	21.0	384.0	703
0287 091	42 x 1,0	21.8	403.2	753
0287 092	50 x 1,0	24.2	480.0	897
0287 093	56 x 1,0	24.9	537.6	974
0287 094	61 x 1,0	25.6	585.6	1045
0287 095	65 x 1,0	26.4	624.0	1112
0287 096	75 x 1,0	28.5	720.0	1263
0287 097	80 x 1,0	29.1	768.0	1337
0287 098	100 x 1,0	32.3	960.0	1677
0287 015	2 x 1,5	7.3	28.8	68
0287 016	3 x 1,5	7.7	43.2	89
0287 017	4 x 1,5	8.5	57.6	111
0287 018	5 x 1,5	9.3	72.0	139
0287 069	6 x 1,5	10.3	86.4	171
0287 019	7 x 1,5	10.3	100.8	180

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0287 043	8 x 1,5	11.1	115.2	210
0287 034	10 x 1,5	13.2	144.0	257
0287 020	12 x 1,5	13.7	172.8	297
0287 021	14 x 1,5	14.6	201.6	346
0287 099	16 x 1,5	15.4	230.4	393
0287 049	20 x 1,5	17.0	288.0	491
0287 100	21 x 1,5	17.0	302.4	499
0287 065	25 x 1,5	19.8	360.0	621
0287 066	32 x 1,5	21.3	460.8	758
0287 055	37 x 1,5	22.1	532.8	843
0287 101	40 x 1,5	23.4	576.0	936
0287 102	42 x 1,5	24.2	604.8	999
0287 103	50 x 1,5	26.4	720.0	1160
0287 104	56 x 1,5	27.2	806.4	1264
0287 105	61 x 1,5	28.0	878.4	1360
0287 106	65 x 1,5	28.9	936.0	1448
0287 107	75 x 1,5	31.4	1080	1663
0287 108	80 x 1,5	32.1	1152	1763
0287 109	100 x 1,5	35.5	1440	2192
0287 024	2 x 2,5	8.2	48.0	89
0287 025	3 x 2,5	8.7	72.0	119
0287 026	4 x 2,5	9.5	96.0	149
0287 027	5 x 2,5	10.6	120.0	193
0287 110	6 x 2,5	11.6	144.0	231
0287 030	7 x 2,5	11.6	168.0	246
0287 070	8 x 2,5	12.7	192.0	293
0287 040	10 x 2,5	15.2	240.0	359
0287 072	12 x 2,5	15.7	288.0	417
0287 033	14 x 2,5	16.5	336.0	476
0287 111	16 x 2,5	17.4	384.0	542
0287 112	20 x 2,5	19.7	480.0	698
0287 113	21 x 2,5	19.7	504.0	712
0287 114	25 x 2,5	22.4	600.0	857
0287 115	32 x 2,5	24.6	768.0	1078
0287 116	37 x 2,5	25.5	888.0	1201
0287 117	40 x 2,5	26.5	960.0	1300
0287 118	42 x 2,5	27.5	1008	1387
0287 119	50 x 2,5	30.0	1200	1616
0287 120	56 x 2,5	31.0	1344	1768
0287 121	61 x 2,5	32.1	1464	1921
0287 122	65 x 2,5	33.1	1560	2047
0287 123	75 x 2,5	35.8	1800	2333
0287 124	80 x 2,5	36.6	1920	2475
0287 125	100 x 2,5	40.7	2400	3107
0287 073	2 x 4	9.6	76.8	127
0287 031	3 x 4	10.4	115.2	177
0287 126	4 x 4	11.4	153.6	225
0287 127	5 x 4	12.7	192.0	289
0287 128	7 x 4	13.8	268.8	372
0287 032	3 x 6	11.6	172.8	238
0287 129	4 x 6	12.9	230.4	311
0287 130	5 x 6	14.4	288.0	400
0287 131	7 x 6	15.8	403.2	518
0287 132	3 x 10	14.6	288.0	396
0287 133	4 x 10	16.0	384.0	509
0287 134	5 x 10	17.7	480.0	644
0287 135	7 x 10	19.8	672.0	864
0287 136	3 x 16	16.9	460.8	580
0287 137	4 x 16	19.1	614.4	772
0287 138	5 x 16	21.0	768.0	976
0287 139	7 x 16	23.4	1075	1309
0287 140	3 x 25	20.7	720.0	872
0287 141	4 x 25	23.3	960.0	1155
0287 142	5 x 25	25.7	1200	1463
0287 143	3 x 35	23.6	1008	1176
0287 144	4 x 35	26.0	1344	1528
0287 145	5 x 35	28.8	1680	1938
0287 146	3 x 50	28.9	1440	1691
0287 147	4 x 50	32.2	1920	2222
0287 148	5 x 50	35.7	2400	2830

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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Connecting since 1982

TECHNOKONTROL YKSLY 0,6/1 kV, TECHNOKONTROL YKSLYżo 0,6/1 kV

APPLICATIONS

TECHNOKONTROL YKSLY 0,6/1 kV and **TECHNOKONTROL YKSLYżo 0,6/1 kV** are flexible cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our Technical Guide),
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYżo 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-O 0,6/1 kV and **TECHNOKONTROL YKSLYżo-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLY 0,6/1 kV and **TECHNOKONTROL YnKSLYżo 0,6/1 kV** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLH 0,6/1 kV and **TECHNOKONTROL HKSLHżo 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY 0,6/1 kV and **TECHNOKONTROL YvKSLYżo 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0284 002	2 x 0,75	6.4	14.4	49
0284 022	3 x 0,75	6.8	21.6	62
0284 003	4 x 0,75	7.4	28.8	76
0284 023	5 x 0,75	8.0	36.0	94
0284 024	6 x 0,75	8.7	43.2	112
0284 025	7 x 0,75	8.7	50.4	116
0284 026	8 x 0,75	9.4	57.6	135
0284 027	10 x 0,75	11.2	72.0	165
0284 028	12 x 0,75	11.6	86.4	190
0284 029	14 x 0,75	12.4	100.8	222
0284 030	16 x 0,75	13.1	115.2	252
0284 031	20 x 0,75	14.7	144.0	320
0284 032	21 x 0,75	14.7	151.2	324
0284 033	25 x 0,75	16.6	180.0	390
0284 034	32 x 0,75	17.9	230.4	472
0284 035	37 x 0,75	19.0	266.4	541
0284 036	40 x 0,75	19.7	288.0	584
0284 037	42 x 0,75	20.4	302.4	625
0284 038	50 x 0,75	22.2	360.0	723
0284 039	56 x 0,75	23.3	403.2	808
0284 040	61 x 0,75	24.0	439.2	866
0284 041	65 x 0,75	24.7	468.0	921
0284 042	75 x 0,75	26.7	540.0	1044
0284 043	80 x 0,75	27.3	576.0	1104
0284 044	100 x 0,75	30.0	720.0	1368
0284 004	2 x 1,0	6.8	19.2	56
0284 005	3 x 1,0	7.2	28.8	72
0284 045	4 x 1,0	7.8	38.4	89

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0284 046	5 x 1,0	8.5	48.0	110
0284 047	6 x 1,0	9.3	57.6	131
0284 048	7 x 1,0	9.3	67.2	137
0284 049	8 x 1,0	10.2	76.8	165
0284 050	10 x 1,0	12.2	96.0	203
0284 051	12 x 1,0	12.5	115.2	232
0284 006	14 x 1,0	13.2	134.4	264
0284 052	16 x 1,0	13.9	153.6	300
0284 053	20 x 1,0	15.6	192.0	381
0284 054	21 x 1,0	15.6	201.6	387
0284 055	25 x 1,0	17.7	240.0	466
0284 056	32 x 1,0	19.5	307.2	588
0284 057	37 x 1,0	20.2	355.2	650
0284 058	40 x 1,0	21.0	384.0	703
0284 059	42 x 1,0	21.8	403.2	753
0284 060	50 x 1,0	24.2	480.0	897
0284 061	56 x 1,0	24.9	537.6	974
0284 062	61 x 1,0	25.6	585.6	1045
0284 063	65 x 1,0	26.4	624.0	1112
0284 064	75 x 1,0	28.5	720.0	1263
0284 065	80 x 1,0	29.1	768.0	1337
0284 066	100 x 1,0	32.3	960.0	1677
0284 008	2 x 1,5	7.3	28.8	68
0284 009	3 x 1,5	7.7	43.2	89
0284 010	4 x 1,5	8.5	57.6	111
0284 067	5 x 1,5	9.3	72.0	139
0284 068	6 x 1,5	10.3	86.4	171
0284 011	7 x 1,5	10.3	100.8	180

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0284 069	8 x 1,5	11.1	115.2	210
0284 070	10 x 1,5	13.2	144.0	257
0284 012	12 x 1,5	13.7	172.8	297
0284 013	14 x 1,5	14.6	201.6	346
0284 071	16 x 1,5	15.4	230.4	393
0284 072	20 x 1,5	17.0	288.0	491
0284 073	21 x 1,5	17.0	302.4	499
0284 074	25 x 1,5	19.8	360.0	621
0284 075	32 x 1,5	21.3	460.8	758
0284 076	37 x 1,5	22.1	532.8	843
0284 077	40 x 1,5	23.4	576.0	936
0284 078	42 x 1,5	24.2	604.8	999
0284 079	50 x 1,5	26.4	720.0	1160
0284 080	56 x 1,5	27.2	806.4	1264
0284 081	61 x 1,5	28.0	878.4	1360
0284 082	65 x 1,5	28.9	936.0	1448
0284 083	75 x 1,5	31.4	1080	1663
0284 084	80 x 1,5	32.1	1152	1763
0284 085	100 x 1,5	35.5	1440	2192
0284 014	2 x 2,5	8.2	48.0	89
0284 015	3 x 2,5	8.7	72.0	119
0284 017	4 x 2,5	9.5	96.0	149
0284 086	5 x 2,5	10.6	120.0	193
0284 087	6 x 2,5	11.6	144.0	231
0284 088	7 x 2,5	11.6	168.0	246
0284 089	8 x 2,5	12.7	192.0	293
0284 090	10 x 2,5	15.2	240.0	359
0284 091	12 x 2,5	15.7	288.0	417
0284 092	14 x 2,5	16.5	336.0	476
0284 093	16 x 2,5	17.4	384.0	542
0284 094	20 x 2,5	19.7	480.0	698
0284 095	21 x 2,5	19.7	504.0	712
0284 096	25 x 2,5	22.4	600.0	857
0284 097	32 x 2,5	24.6	768.0	1078
0284 098	37 x 2,5	25.5	888.0	1201

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0284 099	40 x 2,5	26.5	960.0	1300
0284 100	42 x 2,5	27.5	1008	1387
0284 101	50 x 2,5	30.0	1200	1616
0284 102	56 x 2,5	31.0	1344	1768
0284 103	61 x 2,5	32.1	1464	1921
0284 104	65 x 2,5	33.1	1560	2047
0284 105	75 x 2,5	35.8	1800	2333
0284 106	80 x 2,5	36.6	1920	2475
0284 107	100 x 2,5	40.7	2400	3107
0284 108	2 x 4	9.6	76.8	127
0284 020	3 x 4	10.4	115.2	177
0284 109	4 x 4	11.4	153.6	225
0284 110	5 x 4	12.7	192.0	289
0284 021	7 x 4	13.8	268.8	372
0284 111	3 x 6	11.6	172.8	238
0284 112	4 x 6	12.9	230.4	311
0284 113	5 x 6	14.4	288.0	400
0284 114	7 x 6	15.8	403.2	518
0284 115	3 x 10	14.6	288.0	396
0284 116	4 x 10	16.0	384.0	509
0284 117	5 x 10	17.7	480.0	644
0284 118	7 x 10	19.8	672.0	864
0284 119	3 x 16	16.9	460.8	580
0284 120	4 x 16	19.1	614.4	772
0284 121	5 x 16	21.0	768.0	976
0284 122	7 x 16	23.4	1075	1309
0284 123	3 x 25	20.7	720.0	872
0284 124	4 x 25	23.3	960.0	1155
0284 125	5 x 25	25.7	1200	1463
0284 126	3 x 35	23.6	1008	1176
0284 127	4 x 35	26.0	1344	1528
0284 128	5 x 35	28.8	1680	1938
0284 129	3 x 50	28.9	1440	1691
0284 130	4 x 50	32.2	1920	2222
0284 131	5 x 50	35.7	2400	2830

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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TECHNOKONTROL YKSLY-P 0,6/1 kV, TECHNOKONTROL YKSLY-P-Nr 0,6/1 kV

APPLICATIONS

TECHNOKONTROL YKSLY-P 0,6/1 kV and **TECHNOKONTROL YKSLY-P-Nr 0,6/1 kV** are multipair flexible cables designed for control, protection and monitoring systems or power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLY-P 0,6/1 kV** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLY-P-Nr 0,6/1 kV** cable,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-P-O 0,6/1 kV and **TECHNOKONTROL YKSLY-P-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLY-P 0,6/1 kV and **TECHNOKONTROL YnKSLY-P-Nr 0,6/1 kV** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLH-P 0,6/1 kV and TECHNOKONTROL HKSLHP-Nr 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY-P 0,6/1 kV and **TECHNOKONTROL YvKSLY-P-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-17
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0290 008	2 x 2 x 0,5	9.0	19.2	82
0290 009	3 x 2 x 0,5	9.6	28.8	95
0290 010	4 x 2 x 0,5	10.7	38.4	122
0290 001	5 x 2 x 0,5	11.8	48.0	145
0290 011	6 x 2 x 0,5	13.1	57.6	175
0290 012	7 x 2 x 0,5	13.1	67.2	193
0290 013	8 x 2 x 0,5	13.9	76.8	215
0290 002	10 x 2 x 0,5	16.0	96.0	269
0290 014	12 x 2 x 0,5	16.8	115.2	309
0290 015	14 x 2 x 0,5	17.9	134.4	351
0290 016	16 x 2 x 0,5	19.4	153.6	413
0290 017	18 x 2 x 0,5	20.4	172.8	455
0290 018	20 x 2 x 0,5	21.4	192.0	497
0290 019	24 x 2 x 0,5	23.5	230.4	604
0290 020	2 x 2 x 0,75	9.7	28.8	96
0290 021	3 x 2 x 0,75	10.4	43.2	118
0290 022	4 x 2 x 0,75	11.5	57.6	146
0290 023	5 x 2 x 0,75	12.8	72.0	181
0290 024	7 x 2 x 0,75	14.0	100.8	233
0290 025	10 x 2 x 0,75	17.2	144.0	327
0290 026	12 x 2 x 0,75	18.0	172.8	376

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0290 027	14 x 2 x 0,75	19.7	201.6	449
0290 028	16 x 2 x 0,75	20.8	230.4	503
0290 029	18 x 2 x 0,75	21.9	259.2	556
0290 030	2 x 2 x 1,0	10.5	38.4	119
0290 031	3 x 2 x 1,0	11.1	57.6	138
0290 032	4 x 2 x 1,0	12.4	76.8	178
0290 004	5 x 2 x 1,0	13.7	96.0	214
0290 033	7 x 2 x 1,0	15.1	134.4	285
0290 034	10 x 2 x 1,0	18.3	192.0	389
0290 035	12 x 2 x 1,0	19.6	230.4	470
0290 036	14 x 2 x 1,0	21.0	268.8	537
0290 005	16 x 2 x 1,0	22.2	307.2	602
0290 037	18 x 2 x 1,0	23.8	345.6	690
0290 038	2 x 2 x 1,5	11.4	57.6	148
0290 039	3 x 2 x 1,5	12.3	86.4	180
0290 040	4 x 2 x 1,5	13.5	115.2	224
0290 041	5 x 2 x 1,5	15.1	144.0	278
0290 007	7 x 2 x 1,5	16.5	201.6	363
0290 006	10 x 2 x 1,5	20.5	288.0	520
0290 042	12 x 2 x 1,5	21.4	345.6	602
0290 043	14 x 2 x 1,5	23.3	403.2	712

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0290 044	16 x 2 x 1,5	24.7	460.8	797
0290 045	2 x 2 x 2,5	13.0	96.0	201
0290 046	3 x 2 x 2,5	13.8	144.0	241
0290 047	4 x 2 x 2,5	15.5	192.0	312
0290 048	5 x 2 x 2,5	17.1	240.0	377

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0290 049	7 x 2 x 2,5	19.1	336.0	517
0290 050	10 x 2 x 2,5	23.6	480.0	737
0290 051	12 x 2 x 2,5	24.7	576.0	853
0290 052	14 x 2 x 2,5	26.5	672.0	978
0290 053	16 x 2 x 2,5	28.1	768.0	1102

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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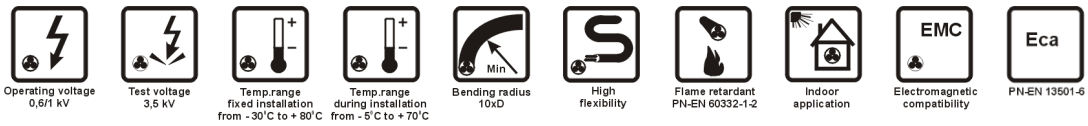
TECHNOKONTROL YKSLYekw-Nr 0,6/1 kV, TECHNOKONTROL YKSLYekwżo-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YKSLYekw-Nr 0,6/1 kV and **TECHNOKONTROL YKSLYekwżo-Nr 0,6/1 kV** are flexible, overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYekwżo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-Nr-O 0,6/1 kV and **TECHNOKONTROL YKSLYekwżo-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw-Nr 0,6/1 kV and **TECHNOKONTROL YnKSLYekwżo-Nr 0,6/1 kV** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL YvKSLYekw-Nr 0,6/1 kV and **TECHNOKONTROL YvKSLYekwżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0317 003	2 x 0,5	6.2	12.0	46
0317 078	3 x 0,5	6.5	16.8	56
0317 102	4 x 0,5	7.0	21.6	68
0317 073	5 x 0,5	7.7	26.4	83
0317 103	6 x 0,5	8.3	31.2	98
0317 086	7 x 0,5	8.3	36.0	101
0317 072	8 x 0,5	8.9	40.8	116
0317 005	10 x 0,5	10.6	50.4	142
0317 104	12 x 0,5	10.9	60.0	161
0317 105	14 x 0,5	11.5	69.6	182
0317 069	16 x 0,5	12.3	79.2	212
0317 106	20 x 0,5	13.6	98.4	261
0317 107	21 x 0,5	13.6	103.2	264
0317 108	25 x 0,5	15.6	122.4	326
0317 070	32 x 0,5	16.8	156.0	391
0317 109	37 x 0,5	17.4	180.0	430
0317 110	42 x 0,5	19.1	204.0	516
0317 111	50 x 0,5	20.8	242.4	596
0317 112	56 x 0,5	21.4	271.2	643
0317 113	61 x 0,5	22.1	295.2	689
0317 006	2 x 0,75	6.5	19.2	55
0317 007	3 x 0,75	6.9	26.4	68

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0317 008	4 x 0,75	7.5	33.6	82
0317 009	5 x 0,75	8.1	40.8	100
0317 093	6 x 0,75	8.8	48.0	118
0317 058	7 x 0,75	8.8	55.2	122
0317 114	8 x 0,75	9.5	62.4	141
0317 010	10 x 0,75	11.3	76.8	173
0317 011	12 x 0,75	11.7	91.2	197
0317 115	14 x 0,75	12.5	105.6	229
0317 067	16 x 0,75	13.2	120.0	259
0317 116	20 x 0,75	14.8	148.8	328
0317 117	21 x 0,75	14.8	156.0	332
0317 118	25 x 0,75	16.7	184.8	399
0317 119	32 x 0,75	18.0	235.2	482
0317 087	37 x 0,75	19.1	271.2	550
0317 120	42 x 0,75	20.5	307.2	635
0317 121	50 x 0,75	22.3	364.8	734
0317 012	2 x 1,0	6.9	24.0	62
0317 015	3 x 1,0	7.3	33.6	78
0317 016	4 x 1,0	7.9	43.2	95
0317 017	5 x 1,0	8.6	52.8	116
0317 096	6 x 1,0	9.4	62.4	138
0317 018	7 x 1,0	9.4	72.0	144

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0317 046	8 x 1,0	10.3	81.6	172
0317 020	10 x 1,0	12.3	100.8	211
0317 021	12 x 1,0	12.6	120.0	240
0317 022	14 x 1,0	13.3	139.2	272
0317 056	16 x 1,0	14.0	158.4	308
0317 062	20 x 1,0	15.7	196.8	390
0317 092	21 x 1,0	15.7	206.4	395
0317 094	25 x 1,0	17.8	244.8	476
0317 095	32 x 1,0	19.6	312.0	597
0317 026	37 x 1,0	20.3	360.0	660
0317 053	42 x 1,0	21.9	408.0	763
0317 071	50 x 1,0	24.3	484.8	908
0317 027	2 x 1,5	7.4	36.0	77
0317 028	3 x 1,5	7.8	50.4	97
0317 029	4 x 1,5	8.6	64.8	120
0317 030	5 x 1,5	9.4	79.2	147
0317 088	6 x 1,5	10.4	93.6	180
0317 032	7 x 1,5	10.4	108.0	189
0317 080	8 x 1,5	11.2	122.4	219
0317 035	10 x 1,5	13.3	151.2	267
0317 036	12 x 1,5	13.8	180.0	307
0317 037	14 x 1,5	14.7	208.8	356
0317 055	16 x 1,5	15.5	237.6	404
0317 047	20 x 1,5	17.1	295.2	501
0317 122	21 x 1,5	17.1	309.6	510
0317 076	25 x 1,5	19.9	367.2	633
0317 098	32 x 1,5	21.4	468.0	771
0317 099	37 x 1,5	22.2	540.0	855
0317 123	42 x 1,5	24.3	612.0	1011
0317 124	50 x 1,5	26.5	727.2	1174
0317 063	2 x 2,5	8.3	55.2	98
0317 040	3 x 2,5	8.8	79.2	127
0317 041	4 x 2,5	9.6	103.2	158
0317 042	5 x 2,5	10.7	127.2	202
0317 043	6 x 2,5	11.7	151.2	241

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0317 064	7 x 2,5	11.7	175.2	255
0317 077	8 x 2,5	12.8	199.2	303
0317 044	10 x 2,5	15.3	247.2	370
0317 101	12 x 2,5	15.8	295.2	427
0317 061	14 x 2,5	16.6	343.2	487
0317 054	16 x 2,5	17.5	391.2	553
0317 125	20 x 2,5	19.8	487.2	709
0317 126	21 x 2,5	19.8	511.2	723
0317 127	25 x 2,5	22.5	607.2	869
0317 128	2 x 4	9.7	86.4	138
0317 045	3 x 4	10.5	124.8	189
0317 089	4 x 4	11.5	163.2	237
0317 129	5 x 4	12.8	201.6	301
0317 091	7 x 4	13.9	278.4	384
0317 130	3 x 6	11.7	182.4	250
0317 131	4 x 6	13.0	240.0	323
0317 132	5 x 6	14.5	297.6	412
0317 133	7 x 6	15.9	412.8	530
0317 082	3 x 10	14.7	297.6	409
0317 134	4 x 10	16.1	393.6	522
0317 135	5 x 10	17.8	489.6	657
0317 136	7 x 10	19.9	681.6	877
0317 083	3 x 16	17.0	475.2	598
0317 137	4 x 16	19.2	628.8	790
0317 138	5 x 16	21.1	782.4	994
0317 139	7 x 16	23.5	1090	1327
0317 084	3 x 25	20.8	734.4	890
0317 140	4 x 25	23.4	974.4	1174
0317 141	5 x 25	25.8	1214	1482
0317 142	3 x 35	23.7	1022	1195
0317 143	4 x 35	26.1	1358	1547
0317 144	5 x 35	28.9	1694	1959
0317 145	3 x 50	29.0	1464	1719
0317 146	4 x 50	32.3	1944	2251
0317 147	5 x 50	35.8	2424	2860

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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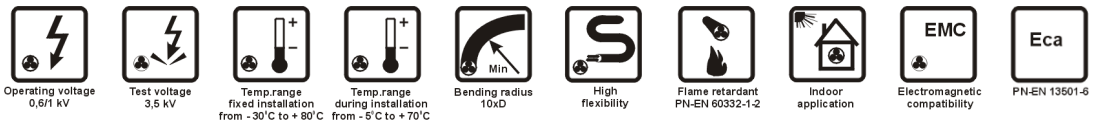
TECHNOKONTROL YKSLYekw 0,6/1 kV, TECHNOKONTROL YKSLYekwżo 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YKSLYekw 0,6/1 kV and **TECHNOKONTROL YKSLYekwżo 0,6/1 kV** are flexible, overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our Technical Guide),
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYekwżo 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-O 0,6/1 kV and **TECHNOKONTROL YKSLYekwżo-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw 0,6/1 kV and **TECHNOKONTROL YnKSLYekwżo 0,6/1 kV** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL YvKSLYekw 0,6/1 kV and **TECHNOKONTROL YvKSLYekwżo 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0312 010	2 x 0,75	6.5	19.2	55
0312 011	3 x 0,75	6.9	26.4	68
0312 042	4 x 0,75	7.5	33.6	82
0312 012	5 x 0,75	8.1	40.8	100
0312 043	6 x 0,75	8.8	48.0	118
0312 044	7 x 0,75	8.8	55.2	122
0312 045	8 x 0,75	9.5	62.4	141
0312 046	10 x 0,75	11.3	76.8	173
0312 014	12 x 0,75	11.7	91.2	197
0312 015	14 x 0,75	12.5	105.6	229
0312 040	16 x 0,75	13.2	120.0	259
0312 047	20 x 0,75	14.8	148.8	328
0312 048	21 x 0,75	14.8	156.0	332
0312 049	25 x 0,75	16.7	184.8	399
0312 050	32 x 0,75	18.0	235.2	482
0312 051	37 x 0,75	19.1	271.2	550
0312 052	42 x 0,75	20.5	307.2	635
0312 053	48 x 0,75	21.7	350.4	693
0312 054	50 x 0,75	22.3	364.8	734
0312 016	2 x 1,0	6.9	24.0	62
0312 017	3 x 1,0	7.3	33.6	78
0312 019	4 x 1,0	7.9	43.2	95

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0312 020	5 x 1,0	8.6	52.8	116
0312 055	6 x 1,0	9.4	62.4	138
0312 021	7 x 1,0	9.4	72.0	144
0312 056	8 x 1,0	10.3	81.6	172
0312 022	10 x 1,0	12.3	100.8	211
0312 057	12 x 1,0	12.6	120.0	240
0312 023	14 x 1,0	13.3	139.2	272
0312 058	16 x 1,0	14.0	158.4	308
0312 059	20 x 1,0	15.7	196.8	390
0312 060	21 x 1,0	15.7	206.4	395
0312 061	25 x 1,0	17.8	244.8	476
0312 062	32 x 1,0	19.6	312.0	597
0312 027	37 x 1,0	20.3	360.0	660
0312 063	42 x 1,0	21.9	408.0	763
0312 064	48 x 1,0	23.6	465.6	858
0312 065	50 x 1,0	24.3	484.8	908
0312 028	2 x 1,5	7.4	36.0	77
0312 029	3 x 1,5	7.8	50.4	97
0312 066	4 x 1,5	8.6	64.8	120
0312 030	5 x 1,5	9.4	79.2	147
0312 067	6 x 1,5	10.4	93.6	180
0312 031	7 x 1,5	10.4	108.0	189

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0312 068	8 x 1,5	11.2	122.4	219
0312 032	10 x 1,5	13.3	151.2	267
0312 069	12 x 1,5	13.8	180.0	307
0312 033	14 x 1,5	14.7	208.8	356
0312 070	16 x 1,5	15.5	237.6	404
0312 071	20 x 1,5	17.1	295.2	501
0312 072	21 x 1,5	17.1	309.6	510
0312 073	25 x 1,5	19.9	367.2	633
0312 074	32 x 1,5	21.4	468.0	771
0312 075	37 x 1,5	22.2	540.0	855
0312 076	40 x 1,5	23.5	583.2	948
0312 077	2 x 2,5	8.3	55.2	98
0312 036	3 x 2,5	8.8	79.2	127
0312 037	4 x 2,5	9.6	103.2	158
0312 038	5 x 2,5	10.7	127.2	202
0312 039	6 x 2,5	11.7	151.2	241
0312 078	7 x 2,5	11.7	175.2	255
0312 079	8 x 2,5	12.8	199.2	303
0312 080	10 x 2,5	15.3	247.2	370
0312 081	12 x 2,5	15.8	295.2	427
0312 082	14 x 2,5	16.6	343.2	487
0312 083	16 x 2,5	17.5	391.2	553
0312 084	20 x 2,5	19.8	487.2	709
0312 085	21 x 2,5	19.8	511.2	723
0312 086	25 x 2,5	22.5	607.2	869
0312 087	2 x 4	9.7	86.4	138
0312 088	3 x 4	10.5	124.8	189
0312 089	4 x 4	11.5	163.2	237
0312 090	5 x 4	12.8	201.6	301
0312 091	7 x 4	13.9	278.4	384
0312 092	3 x 6	11.7	182.4	250
0312 093	4 x 6	13.0	240.0	323
0312 094	5 x 6	14.5	297.6	412
0312 095	7 x 6	15.9	412.8	530
0312 096	3 x 10	14.7	297.6	409
0312 097	4 x 10	16.1	393.6	522
0312 098	5 x 10	17.8	489.6	657
0312 099	7 x 10	19.9	681.6	877
0312 100	3 x 16	17.0	475.2	598
0312 101	4 x 16	19.2	628.8	790
0312 102	5 x 16	21.1	782.4	994
0312 103	7 x 16	23.5	1090	1327
0312 104	3 x 25	20.8	734.4	890
0312 105	4 x 25	23.4	974.4	1174
0312 106	5 x 25	25.8	1214	1482
0312 107	3 x 35	23.7	1022	1195
0312 108	4 x 35	26.1	1358	1547
0312 109	5 x 35	28.9	1694	1959
0312 110	3 x 50	29.0	1464	1719
0312 111	4 x 50	32.3	1944	2251
0312 112	5 x 50	35.8	2424	2860

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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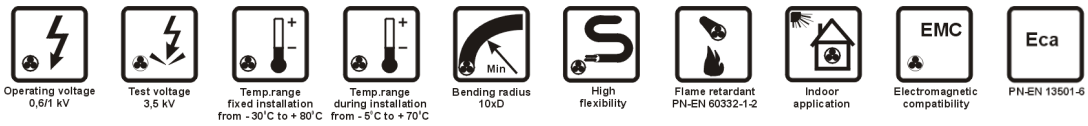
RoHS COMPLIANT CE

TECHNOKONTROL YKSLYekw-P 0,6/1 kV, TECHNOKONTROL YKSLYekw-P-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YKSLYekw-P 0,6/1 kV and **TECHNOKONTROL YKSLYekw-P-Nr 0,6/1 kV** are multipair flexible, overall shielded cables designed for control, protection and monitoring systems or power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLYekw-P 0,6/1 kV** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLYekw-P-Nr 0,6/1 kV** cable,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-P-O 0,6/1 kV and **TECHNOKONTROL YKSLYekw-P-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw-P 0,6/1 kV and TECHNOKONTROL YnKSLYekw-P-Nr 0,6/1 kV - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL YvKSLYekw-P 0,6/1 kV and **TECHNOKONTROL YvKSLYekw-P-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-17
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0324 001	2 x 2 x 0,5	9.1	21.6	87
0324 002	3 x 2 x 0,5	9.7	31.2	100
0324 003	4 x 2 x 0,5	10.8	40.8	127
0324 004	5 x 2 x 0,5	11.9	50.4	151
0324 005	6 x 2 x 0,5	13.2	60.0	181
0324 006	7 x 2 x 0,5	13.2	69.6	199
0324 007	8 x 2 x 0,5	14.0	79.2	221
0324 009	10 x 2 x 0,5	16.1	98.4	276
0324 010	12 x 2 x 0,5	16.9	117.6	316
0324 011	14 x 2 x 0,5	18.0	136.8	358
0324 013	16 x 2 x 0,5	19.5	156.0	420
0324 014	18 x 2 x 0,5	20.5	175.2	463
0324 015	20 x 2 x 0,5	21.5	194.4	506
0324 017	24 x 2 x 0,5	23.6	232.8	612
0324 018	2 x 2 x 0,75	10.0	33.6	108
0324 045	3 x 2 x 0,75	10.5	48.0	125
0324 046	4 x 2 x 0,75	11.6	62.4	154
0324 041	5 x 2 x 0,75	12.9	76.8	188
0324 042	7 x 2 x 0,75	14.1	105.6	241
0324 039	10 x 2 x 0,75	17.3	148.8	336
0324 047	12 x 2 x 0,75	18.1	177.6	386

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0324 048	14 x 2 x 0,75	19.8	206.4	459
0324 019	16 x 2 x 0,75	20.9	235.2	513
0324 049	24 x 2 x 0,75	25.4	350.4	747
0324 020	2 x 2 x 1,0	10.6	43.2	126
0324 021	3 x 2 x 1,0	11.2	62.4	146
0324 022	4 x 2 x 1,0	12.5	81.6	186
0324 023	5 x 2 x 1,0	13.8	100.8	222
0324 038	7 x 2 x 1,0	15.2	139.2	293
0324 025	10 x 2 x 1,0	18.8	196.8	417
0324 025	12 x 2 x 1,0	19.7	235.2	480
0324 050	14 x 2 x 1,0	21.1	273.6	547
0324 051	16 x 2 x 1,0	22.3	312.0	612
0324 052	18 x 2 x 1,0	23.9	350.4	701
0324 027	2 x 2 x 1,5	11.5	64.8	157
0324 028	3 x 2 x 1,5	12.4	93.6	189
0324 029	4 x 2 x 1,5	13.6	122.4	234
0324 030	5 x 2 x 1,5	15.2	151.2	288
0324 044	7 x 2 x 1,5	16.6	208.8	374
0324 008	10 x 2 x 1,5	20.6	295.2	532
0324 053	12 x 2 x 1,5	21.5	352.8	615
0324 054	14 x 2 x 1,5	23.4	410.4	725

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0324 055	16 x 2 x 1,5	24.8	468.0	810
0324 056	2 x 2 x 2,5	13.1	103.2	211
0324 057	3 x 2 x 2,5	13.9	151.2	251
0324 043	4 x 2 x 2,5	15.6	199.2	323
0324 058	5 x 2 x 2,5	17.2	247.2	388

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0324 059	7 x 2 x 2,5	19.2	343.2	529
0324 060	10 x 2 x 2,5	23.7	487.2	750
0324 061	12 x 2 x 2,5	24.8	583.2	866
0324 062	14 x 2 x 2,5	26.6	679.2	992
0324 063	16 x 2 x 2,5	28.2	775.2	1116

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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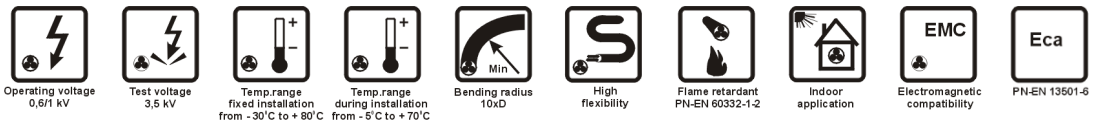
TECHNOKONTROL YKSLYekpekw 0,6/1 kV, TECHNOKONTROL YKSLYekpekw-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YKSLYekpekw 0,6/1 kV and **TECHNOKONTROL YKSLYekpekw-Nr 0,6/1 kV** are multipair, pair and overall shielded cables intended for control and protection systems or power supply, all in power engineering.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLYekpekw 0,6/1 kV** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLYekpekw-Nr 0,6/1 kV** cable,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YvKSLYekpekw 0,6/1 kV and **TECHNOKONTROL YvKSLYekpekw-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLYekpekw-O 0,6/1 kV and TECHNOKONTROL YKSLYekpekw-Nr-O 0,6/1 kV - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekpekw 0,6/1 kV and **TECHNOKONTROL YnKSLYekpekw-Nr 0,6/1 kV** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

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CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-17
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0302 019	2 x 2 x 0,5	9.5	26.4	109
0302 001	3 x 2 x 0,5	10.2	38.4	119
0302 027	4 x 2 x 0,5	11.2	50.4	145
0302 028	5 x 2 x 0,5	12.6	62.4	180
0302 024	6 x 2 x 0,5	13.7	74.4	208
0302 003	8 x 2 x 0,5	14.8	98.4	265
0302 029	10 x 2 x 0,5	16.8	122.4	321
0302 030	12 x 2 x 0,5	17.6	146.4	370
0302 031	14 x 2 x 0,5	19.2	170.4	440
0302 021	16 x 2 x 0,5	20.3	194.4	492
0302 032	18 x 2 x 0,5	21.3	218.4	543
0302 033	24 x 2 x 0,5	24.6	290.4	723
0302 004	2 x 2 x 0,75	10.3	43.2	138
0302 034	3 x 2 x 0,75	10.9	62.4	146
0302 016	4 x 2 x 0,75	12.2	81.6	187
0302 035	5 x 2 x 0,75	13.4	100.8	223
0302 005	6 x 2 x 0,75	14.8	120.0	267
0302 036	8 x 2 x 0,75	15.8	158.4	332
0302 018	10 x 2 x 0,75	17.9	196.8	403
0302 025	12 x 2 x 0,75	19.2	235.2	485
0302 017	14 x 2 x 0,75	20.5	273.6	554
0302 026	16 x 2 x 0,75	21.7	312.0	621
0302 006	24 x 2 x 0,75	26.3	465.6	915

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0302 014	2 x 2 x 1,0	10.9	52.8	157
0302 007	3 x 2 x 1,0	11.6	76.8	167
0302 037	4 x 2 x 1,0	12.9	100.8	214
0302 008	5 x 2 x 1,0	14.4	124.8	263
0302 015	6 x 2 x 1,0	15.7	148.8	306
0302 038	8 x 2 x 1,0	16.7	196.8	383
0302 039	10 x 2 x 1,0	19.5	244.8	486
0302 020	12 x 2 x 1,0	20.4	292.8	562
0302 009	2 x 2 x 1,5	11.8	79.2	192
0302 040	3 x 2 x 1,5	12.7	115.2	217
0302 010	4 x 2 x 1,5	14.0	151.2	271
0302 011	5 x 2 x 1,5	15.7	187.2	335
0302 012	6 x 2 x 1,5	17.1	223.2	391
0302 023	8 x 2 x 1,5	18.2	295.2	493
0302 041	10 x 2 x 1,5	21.2	367.2	624
0302 013	14 x 2 x 1,5	24.2	511.2	855
0302 022	16 x 2 x 1,5	25.6	583.2	956
0302 042	2 x 2 x 2,5	13.5	117.6	243
0302 043	3 x 2 x 2,5	14.5	172.8	287
0302 044	4 x 2 x 2,5	16.0	228.0	361
0302 045	5 x 2 x 2,5	17.6	283.2	435
0302 046	8 x 2 x 2,5	21.0	448.8	670
0302 047	10 x 2 x 2,5	24.4	559.2	841

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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TECHNOKONTROL YKSLXS-Nr 0,6/1 kV, TECHNOKONTROL YKSLXSżo-Nr 0,6/1 kV

APPLICATIONS

TECHNOKONTROL YKSLXS-Nr 0,6/1 kV and **TECHNOKONTROL YKSLXSżo-Nr 0,6/1 kV** are cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black cross-linked polyethylene (XLPE) insulation and white conductor number printed on it,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **YKSLXSżo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXS-Nr-O 0,6/1 kV and **TECHNOKONTROL YKSLXSżo-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXS-Nr 0,6/1 kV and **TECHNOKONTROL HKSLXSżo-Nr 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXS-Nr 0,6/1 kV and **TECHNOKONTROL YvKSLXSżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386
Capacitance between conductors at 1 kHz, appr.	nF/km	40	40	40	50	50	60	60	60	60	60	60	60

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Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0712 004	2 x 0,5	6.0	9.6	38
0712 005	3 x 0,5	6.3	14.4	46
0712 006	4 x 0,5	6.8	19.2	55
0712 007	5 x 0,5	7.4	24.0	68
0712 008	6 x 0,5	8.1	28.8	80
0712 009	7 x 0,5	8.1	33.6	81
0712 010	10 x 0,5	10.4	48.0	117
0712 011	12 x 0,5	10.7	57.6	131
0712 012	16 x 0,5	11.8	76.8	167
0712 013	20 x 0,5	13.3	96.0	214
0712 014	25 x 0,5	15.3	120.0	266
0712 015	32 x 0,5	16.4	153.6	317
0712 016	37 x 0,5	17.0	177.6	346
0712 017	44 x 0,5	19.5	211.2	425
0712 018	50 x 0,5	20.4	240.0	483
0712 019	56 x 0,5	21.0	268.8	519
0712 020	61 x 0,5	21.6	292.8	554
0712 021	65 x 0,5	22.2	312.0	587
0712 022	75 x 0,5	24.4	360.0	689
0712 023	80 x 0,5	25.0	384.0	727
0712 024	100 x 0,5	27.5	480.0	896
0712 025	2 x 0,75	6.3	14.4	44
0712 026	3 x 0,75	6.7	21.6	54
0712 027	4 x 0,75	7.3	28.8	67
0712 028	5 x 0,75	7.9	36.0	81
0712 029	6 x 0,75	8.6	43.2	97
0712 030	7 x 0,75	8.6	50.4	99
0712 031	10 x 0,75	11.1	72.0	142

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0712 032	12 x 0,75	11.4	86.4	162
0712 033	16 x 0,75	12.9	115.2	214
0712 034	20 x 0,75	14.4	144.0	272
0712 035	25 x 0,75	16.4	180.0	331
0712 036	32 x 0,75	17.6	230.4	397
0712 037	37 x 0,75	18.3	266.4	436
0712 038	42 x 0,75	20.1	302.4	527
0712 039	50 x 0,75	21.9	360.0	607
0712 040	56 x 0,75	22.6	403.2	655
0712 041	61 x 0,75	23.6	439.2	724
0712 042	65 x 0,75	24.3	468.0	768
0712 043	75 x 0,75	26.3	540.0	870
0712 044	80 x 0,75	26.8	576.0	919
0712 045	100 x 0,75	29.6	720.0	1137
0712 046	2 x 1,0	6.7	19.2	50
0712 047	3 x 1,0	7.1	28.8	64
0712 048	4 x 1,0	7.7	38.4	78
0712 049	5 x 1,0	8.4	48.0	97
0712 050	6 x 1,0	9.2	57.6	116
0712 051	7 x 1,0	9.2	67.2	119
0712 052	10 x 1,0	11.8	96.0	171
0712 053	12 x 1,0	12.4	115.2	202
0712 054	16 x 1,0	13.7	153.6	259
0712 055	20 x 1,0	15.4	192.0	329
0712 056	25 x 1,0	17.5	240.0	402
0712 057	32 x 1,0	19.2	307.2	505
0712 058	37 x 1,0	20.0	355.2	556
0712 059	42 x 1,0	21.5	403.2	644

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0712 060	50 x 1,0	23.8	480.0	768
0712 061	56 x 1,0	24.5	537.6	830
0712 062	61 x 1,0	25.3	585.6	890
0712 063	65 x 1,0	26.0	624.0	944
0712 064	75 x 1,0	28.1	720.0	1071
0712 065	80 x 1,0	28.7	768.0	1133
0712 066	100 x 1,0	31.9	960.0	1421
0712 067	2 x 1,5	7.2	28.8	62
0712 002	3 x 1,5	7.7	43.2	80
0712 068	4 x 1,5	8.4	57.6	99
0712 003	5 x 1,5	9.1	72.0	123
0712 069	6 x 1,5	10.2	86.4	153
0712 070	7 x 1,5	10.2	100.8	160
0712 001	10 x 1,5	13.1	144.0	228
0712 071	12 x 1,5	13.5	172.8	262
0712 072	16 x 1,5	15.2	230.4	346
0712 073	20 x 1,5	16.8	288.0	430
0712 074	25 x 1,5	19.5	360.0	547
0712 075	32 x 1,5	21.0	460.8	664
0712 076	37 x 1,5	21.8	532.8	734
0712 077	42 x 1,5	23.9	604.8	875
0712 078	50 x 1,5	26.1	720.0	1013
0712 079	56 x 1,5	26.9	806.4	1100
0712 080	61 x 1,5	27.7	878.4	1181
0712 081	65 x 1,5	28.5	936.0	1254
0712 082	75 x 1,5	30.8	1080	1427
0712 083	80 x 1,5	31.7	1152	1528
0712 084	100 x 1,5	35.0	1440	1899
0712 085	2 x 2,5	8.1	48.0	83
0712 086	3 x 2,5	8.6	72.0	110
0712 087	4 x 2,5	9.4	96.0	138
0712 088	5 x 2,5	10.5	120.0	178
0712 089	6 x 2,5	11.5	144.0	214
0712 090	7 x 2,5	11.5	168.0	226
0712 091	10 x 2,5	15.0	240.0	330
0712 092	12 x 2,5	15.5	288.0	382
0712 093	16 x 2,5	17.2	384.0	496
0712 094	20 x 2,5	19.5	480.0	640

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0712 095	25 x 2,5	22.2	600.0	786
0712 096	32 x 2,5	24.3	768.0	986
0712 097	37 x 2,5	25.3	888.0	1097
0712 098	42 x 2,5	27.2	1008	1268
0712 099	50 x 2,5	29.7	1200	1475
0712 100	56 x 2,5	30.6	1344	1609
0712 101	61 x 2,5	31.8	1464	1749
0712 102	65 x 2,5	32.7	1560	1859
0712 103	75 x 2,5	35.4	1800	2120
0712 104	80 x 2,5	36.2	1920	2249
0712 105	100 x 2,5	40.2	2400	2824
0712 106	2 x 4	9.1	76.8	112
0712 107	3 x 4	9.6	115.2	151
0712 108	4 x 4	10.8	153.6	198
0712 109	5 x 4	11.8	192.0	248
0712 110	7 x 4	13.1	268.8	326
0712 111	3 x 6	11.1	172.8	214
0712 112	4 x 6	12.4	230.4	280
0712 113	5 x 6	13.6	288.0	352
0712 114	7 x 6	15.0	403.2	463
0712 115	3 x 10	14.1	288.0	356
0712 116	4 x 10	15.5	384.0	458
0712 117	5 x 10	16.9	480.0	580
0712 118	7 x 10	19.0	672.0	778
0712 119	3 x 16	16.0	460.8	533
0712 120	4 x 16	17.6	614.4	690
0712 121	5 x 16	19.8	768.0	893
0712 122	7 x 16	21.7	1075	1176
0712 123	3 x 25	19.5	720.0	785
0712 124	4 x 25	21.6	960.0	1040
0712 125	5 x 25	23.7	1200	1318
0712 126	3 x 35	21.9	1008	1059
0712 127	4 x 35	24.1	1344	1376
0712 128	5 x 35	26.6	1680	1744
0712 129	3 x 50	26.7	1440	1522
0712 130	4 x 50	29.9	1920	2000
0712 131	5 x 50	32.8	2400	2547

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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Connecting since 1982

TECHNOKONTROL YKSLXS-P-Nr 0,6/1 kV

APPLICATIONS

TECHNOKONTROL YKSLXS-P-Nr 0,6/1 kV are multipair cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - identification of pairs: black and brown insulation and white pair numbers printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXS-P-Nr-O 0,6/1 kV - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXS-P-Nr 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXS-P-Nr 0,6/1 kV - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	45	50	50	55	60

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1706 001	2 x 2 x 0,5	8.9	19.2	74
1706 002	3 x 2 x 0,5	9.4	28.8	82
1706 003	4 x 2 x 0,5	10.6	38.4	106
1706 004	5 x 2 x 0,5	11.6	48.0	124
1706 005	6 x 2 x 0,5	12.9	57.6	150
1706 006	8 x 2 x 0,5	13.7	76.8	182
1706 007	10 x 2 x 0,5	15.8	96.0	228
1706 008	12 x 2 x 0,5	16.5	115.2	260
1706 009	16 x 2 x 0,5	19.1	153.6	347
1706 010	18 x 2 x 0,5	20.1	172.8	382
1706 011	24 x 2 x 0,5	23.2	230.4	506
1706 012	2 x 2 x 0,75	9.5	28.8	86
1706 013	3 x 2 x 0,75	10.3	43.2	104
1706 014	4 x 2 x 0,75	11.3	57.6	127
1706 015	5 x 2 x 0,75	12.6	72.0	157
1706 016	8 x 2 x 0,75	14.9	115.2	232
1706 017	10 x 2 x 0,75	16.9	144.0	280
1706 018	12 x 2 x 0,75	17.7	172.8	322
1706 019	16 x 2 x 0,75	20.5	230.4	430
1706 020	18 x 2 x 0,75	21.6	259.2	474
1706 021	2 x 2 x 1,0	10.3	38.4	108
1706 022	3 x 2 x 1,0	10.9	57.6	123
1706 023	4 x 2 x 1,0	12.2	76.8	158
1706 024	5 x 2 x 1,0	13.5	96.0	188

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1706 025	8 x 2 x 1,0	15.9	153.6	279
1706 026	10 x 2 x 1,0	18.1	192.0	339
1706 027	12 x 2 x 1,0	19.3	230.4	409
1706 028	14 x 2 x 1,0	20.7	268.8	466
1706 029	16 x 2 x 1,0	21.9	307.2	521
1706 030	18 x 2 x 1,0	23.5	345.6	600
1706 031	2 x 2 x 1,5	11.2	57.6	131
1706 032	3 x 2 x 1,5	11.9	86.4	155
1706 033	4 x 2 x 1,5	13.4	115.2	201
1706 034	5 x 2 x 1,5	14.9	144.0	248
1706 035	6 x 2 x 1,5	16.3	172.8	289
1706 036	8 x 2 x 1,5	17.4	230.4	361
1706 037	10 x 2 x 1,5	20.2	288.0	461
1706 038	12 x 2 x 1,5	21.2	345.6	533
1706 039	16 x 2 x 1,5	24.4	460.8	705
1706 040	2 x 2 x 2,5	12.9	96.0	190
1706 041	3 x 2 x 2,5	13.7	144.0	224
1706 042	4 x 2 x 2,5	15.3	192.0	289
1706 043	5 x 2 x 2,5	16.9	240.0	349
1706 044	7 x 2 x 2,5	18.9	336.0	478
1706 045	10 x 2 x 2,5	23.4	480.0	681
1706 046	12 x 2 x 2,5	24.5	576.0	787
1706 047	14 x 2 x 2,5	26.2	672.0	900
1706 048	16 x 2 x 2,5	27.8	768.0	1013

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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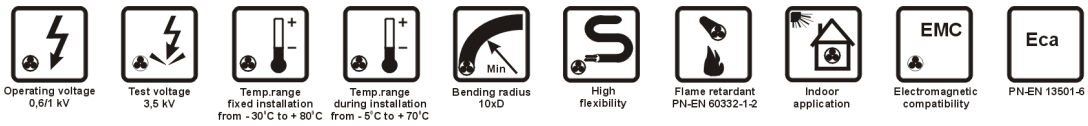
RoHS COMPLIANT

TECHNOKONTROL YKSLXSekw-Nr 0,6/1 kV, TECHNOKONTROL YKSLXSekwżo-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YKSLXSekw-Nr 0,6/1 kV and **TECHNOKONTROL YKSLXSekwżo-Nr 0,6/1 kV** are overall shielded cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black cross-linked polyethylene (XLPE) insulation and white conductor number printed on it,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **YKSLXSekwżo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXSekw-Nr-O 0,6/1 kV and **TECHNOKONTROL YKSLXSekwżo-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXSekw-Nr 0,6/1 kV and **TECHNOKONTROL HKSLXSekwżo-Nr 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXSekw-Nr 0,6/1 kV and **TECHNOKONTROL YvKSLXSekwżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386
Capacitance between conductors at 1 kHz, appr.	nF/km	50	50	50	60	60	70	70	70	70	70	70	70

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0713 007	2 x 0,5	6.1	12.0	42
0713 012	3 x 0,5	6.4	16.8	50
0713 008	4 x 0,5	6.9	21.6	59
0713 013	5 x 0,5	7.5	26.4	72
0713 009	6 x 0,5	8.2	31.2	85
0713 014	7 x 0,5	8.2	36.0	86
0713 015	10 x 0,5	10.5	50.4	122
0713 016	12 x 0,5	10.8	60.0	136
0713 017	16 x 0,5	11.9	79.2	172
0713 018	20 x 0,5	13.4	98.4	220
0713 019	25 x 0,5	15.4	122.4	273
0713 020	32 x 0,5	16.5	156.0	324
0713 021	37 x 0,5	17.1	180.0	353
0713 022	40 x 0,5	17.8	194.4	380
0713 023	2 x 0,75	6.4	19.2	50
0713 024	3 x 0,75	6.8	26.4	61
0713 025	4 x 0,75	7.4	33.6	73
0713 026	5 x 0,75	8.0	40.8	88

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0713 027	6 x 0,75	8.7	48.0	104
0713 028	7 x 0,75	8.7	55.2	106
0713 029	10 x 0,75	11.2	76.8	150
0713 030	12 x 0,75	11.5	91.2	169
0713 031	16 x 0,75	13.0	120.0	222
0713 032	20 x 0,75	14.5	148.8	280
0713 033	25 x 0,75	16.5	184.8	340
0713 034	34 x 0,75	18.8	249.6	457
0713 035	2 x 1,0	6.8	24.0	57
0713 001	3 x 1,0	7.2	33.6	71
0713 036	4 x 1,0	7.8	43.2	85
0713 037	5 x 1,0	8.5	52.8	104
0713 038	6 x 1,0	9.3	62.4	123
0713 039	7 x 1,0	9.3	72.0	126
0713 040	10 x 1,0	11.9	100.8	178
0713 041	12 x 1,0	12.5	120.0	210
0713 042	16 x 1,0	13.8	158.4	267
0713 043	20 x 1,0	15.5	196.8	338

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0713 044	25 x 1,0	17.6	244.8	412
0713 045	2 x 1,5	7.3	36.0	70
0713 006	3 x 1,5	7.8	50.4	88
0713 010	4 x 1,5	8.5	64.8	108
0713 003	5 x 1,5	9.2	79.2	132
0713 011	6 x 1,5	10.3	93.6	162
0713 005	7 x 1,5	10.3	108.0	169
0713 046	10 x 1,5	13.2	151.2	237
0713 047	12 x 1,5	13.6	180.0	271
0713 048	16 x 1,5	15.3	237.6	356
0713 049	20 x 1,5	16.9	295.2	441
0713 050	25 x 1,5	19.6	367.2	559
0713 051	2 x 2,5	8.2	55.2	91
0713 002	3 x 2,5	8.7	79.2	119
0713 052	4 x 2,5	9.5	103.2	147
0713 053	5 x 2,5	10.6	127.2	187
0713 054	6 x 2,5	11.6	151.2	224
0713 055	7 x 2,5	11.6	175.2	235
0713 056	10 x 2,5	15.1	247.2	341
0713 057	12 x 2,5	15.6	295.2	392
0713 058	14 x 2,5	16.4	343.2	446
0713 059	16 x 2,5	17.3	391.2	507
0713 060	2 x 4	9.2	86.4	123
0713 061	3 x 4	9.7	124.8	162

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0713 062	4 x 4	10.9	163.2	209
0713 063	5 x 4	11.9	201.6	260
0713 064	7 x 4	13.2	278.4	338
0713 065	3 x 6	11.2	182.4	226
0713 066	4 x 6	12.5	240.0	292
0713 067	5 x 6	13.7	297.6	364
0713 068	7 x 6	15.1	412.8	476
0713 069	3 x 10	13.5	297.6	360
0713 070	4 x 10	15.0	393.6	460
0713 071	5 x 10	16.8	489.6	578
0713 072	7 x 10	18.8	681.6	772
0713 073	3 x 16	16.1	475.2	549
0713 074	4 x 16	17.7	628.8	707
0713 075	5 x 16	19.9	782.4	911
0713 076	7 x 16	21.8	1090	1195
0713 077	3 x 25	19.6	734.4	783
0713 078	4 x 25	21.7	974.4	1033
0713 079	5 x 25	24.1	1214	1304
0713 080	3 x 35	21.9	1022	1052
0713 081	4 x 35	24.3	1358	1360
0713 082	5 x 35	26.9	1694	1724
0713 083	3 x 50	27.0	1464	1480
0713 084	4 x 50	30.0	1944	1900
0713 085	5 x 50	33.5	2424	2410

Other cross-sections and conductor counts available on request.
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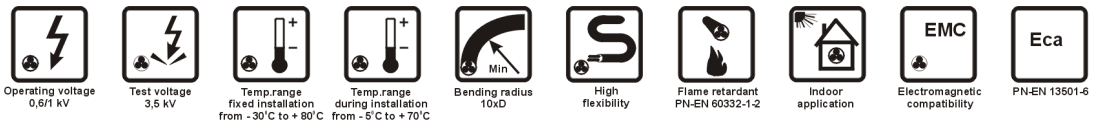
TECHNOKONTROL YKSLXSekw-P-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YKSLXSekw-P-Nr 0,6/1 kV are multipair overall shielded cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - identification of pairs: black and brown insulation and white pair numbers printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXSekw-P-Nr-O 0,6/1 kV - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXSekw-P-Nr 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXSekw-P-Nr 0,6/1 kV - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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RoHS COMPLIANT CE

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	50	55	55	60	70

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1707 001	2 x 2 x 0,5	9.0	21.6	79
1707 002	3 x 2 x 0,5	9.5	31.2	87
1707 003	4 x 2 x 0,5	10.7	40.8	111
1707 004	5 x 2 x 0,5	11.7	50.4	130
1707 005	6 x 2 x 0,5	13.0	60.0	156
1707 006	8 x 2 x 0,5	13.8	79.2	188
1707 007	10 x 2 x 0,5	15.9	98.4	235
1707 008	12 x 2 x 0,5	16.6	117.6	267
1707 009	16 x 2 x 0,5	19.2	156.0	355
1707 010	18 x 2 x 0,5	20.2	175.2	389
1707 012	24 x 2 x 0,5	23.3	232.8	515
1707 013	2 x 2 x 0,75	9.6	33.6	93
1707 014	3 x 2 x 0,75	10.4	48.0	111
1707 015	4 x 2 x 0,75	11.4	62.4	135
1707 016	5 x 2 x 0,75	12.7	76.8	165
1707 017	8 x 2 x 0,75	15.0	120.0	240
1707 018	10 x 2 x 0,75	17.0	148.8	289
1707 019	12 x 2 x 0,75	17.8	177.6	331
1707 020	16 x 2 x 0,75	20.6	235.2	440

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1707 021	2 x 2 x 1,0	10.4	43.2	115
1707 022	3 x 2 x 1,0	11.0	62.4	130
1707 023	4 x 2 x 1,0	12.3	81.6	165
1707 024	5 x 2 x 1,0	13.6	100.8	196
1707 025	8 x 2 x 1,0	16.0	158.4	287
1707 026	10 x 2 x 1,0	18.2	196.8	348
1707 027	12 x 2 x 1,0	19.4	235.2	419
1707 028	2 x 2 x 1,5	11.3	64.8	141
1707 011	3 x 2 x 1,5	12.2	93.6	171
1707 029	4 x 2 x 1,5	13.5	122.4	211
1707 030	5 x 2 x 1,5	15.0	151.2	258
1707 031	8 x 2 x 1,5	17.5	237.6	372
1707 032	10 x 2 x 1,5	20.3	295.2	473
1707 033	2 x 2 x 2,5	13.0	103.2	199
1707 034	3 x 2 x 2,5	13.8	151.2	234
1707 035	4 x 2 x 2,5	15.4	199.2	300
1707 036	5 x 2 x 2,5	17.0	247.2	360
1707 037	7 x 2 x 2,5	19.0	343.2	489
1707 038	10 x 2 x 2,5	23.5	487.2	694

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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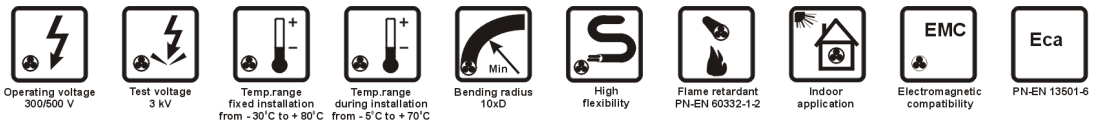
Connecting since 1982

TECHNOKONTROL YKSLXSekpekw-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YKSLXSekpekw-Nr 0,6/1 kV are multipair, pair and overall shielded cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - identification of pairs: black and brown insulation and white pair numbers printed on it,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXSekpekw-Nr-O 0,6/1 kV - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLXSekpekw-Nr 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLXSekpekw-Nr 0,6/1 kV - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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RoHS COMPLIANT CE

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	70	80	90	100	120

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 45/05/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1365 005	2 x 2 x 0,5	10.9	26.7	101.0
1365 006	3 x 2 x 0,5	11.5	38.8	127.5
1365 007	4 x 2 x 0,5	12.6	50.9	157.0
1365 008	5 x 2 x 0,5	13.9	63.0	187.0
1365 009	6 x 2 x 0,5	15.3	75.2	224.0
1365 010	8 x 2 x 0,5	16.3	99.4	276.0
1365 011	10 x 2 x 0,5	18.9	123.7	352.0
1365 012	12 x 2 x 0,5	19.8	147.9	405.0
1365 013	16 x 2 x 0,5	22.4	196.5	516.3
1365 014	18 x 2 x 0,5	24.0	220.7	592.0
1365 015	24 x 2 x 0,5	27.2	293.5	757.0
1365 016	2 x 2 x 0,75	11.8	43.6	125.0
1365 017	3 x 2 x 0,75	12.4	63.0	160.5
1365 018	4 x 2 x 0,75	13.7	82.5	199.0
1365 019	5 x 2 x 0,75	15.3	101.9	245.0
1365 020	8 x 2 x 0,75	17.7	160.1	355.0
1365 021	10 x 2 x 0,75	19.6	198.9	444.5
1365 022	12 x 2 x 0,75	21.6	237.8	521.0
1365 023	16 x 2 x 0,75	24.9	315.4	690.0

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1365 024	2 x 2 x 1,0	12.1	53.4	137.5
1365 025	3 x 2 x 1,0	12.7	77.7	177.6
1365 026	4 x 2 x 1,0	14.1	102.0	222.4
1365 027	5 x 2 x 1,0	15.7	126.3	274.2
1365 028	8 x 2 x 1,0	18.3	199.2	401.1
1365 029	10 x 2 x 1,0	21.2	247.8	508.6
1365 030	12 x 2 x 1,0	22.3	296.4	590.3
1365 003	2 x 2 x 1,5	13.1	78.7	170.5
1365 031	3 x 2 x 1,5	13.8	114.4	224.5
1365 032	4 x 2 x 1,5	15.5	150.2	289.5
1365 004	5 x 2 x 1,5	17.1	185.9	348.5
1365 033	8 x 2 x 1,5	20.3	293.1	533.5
1365 034	10 x 2 x 1,5	23.6	364.6	672.5
1365 035	2 x 2 x 2,5	14.0	116.9	219.0
1365 036	3 x 2 x 2,5	15.0	171.7	302.0
1365 037	4 x 2 x 2,5	16.5	226.5	382.0
1365 038	5 x 2 x 2,5	18.2	281.4	465.0
1365 039	7 x 2 x 2,5	20.3	445.9	636.0
1365 040	10 x 2 x 2,5	25.2	555.6	903.5

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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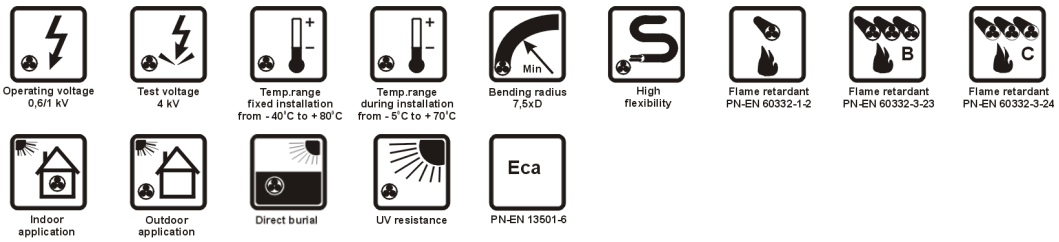
YSLYu-J 0,6/1 kV, YSLYu-O 0,6/1 kV, YSLYu-JZ 0,6/1 kV, YSLYu-OZ 0,6/1 kV, YSLYu-JB 0,6/1 kV, YSLYu-OB 0,6/1 kV



APPLICATIONS

YSLYu-J 0,6/1 kV , YSLYu-O 0,6/1 kV , YSLYu-JZ 0,6/1 kV , YSLYu-OZ 0,6/1 kV , YSLYu-JB 0,6/1 kV and **YSLYu-OB 0,6/1 kV** are flame retardant flexible cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Sheathing black PVC is resistant to UV radiation.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:
- multi-wire cables:

  YSLYu-OZ 0,6/1 kV - black and white conductor number printed on it,

  YSLYu-OB 0,6/1 kV - colours in accordance with PN-HD 308 standard,

  green-yellow protective conductor located in the outer layer in **YSLY-JZ 0,6/1 kV** and **YSLY-JB 0,6/1 kV** cable,

  single-wire cables:

  YSLYu-J 0,6/1 kV - green-yellow,

  YSLYu-O 0,6/1 kV - black (other colours available on request),
- insulated conductors laid-up in layers (only multi-wire cables),
- black (RAL 9005) special self-extinguishing PVC cable sheath.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91
Conductor cross-section	mm²	16	25	35	50	70	95	120	150
DC conductor resistance at 20°C, maximum	Ω/km	1.21	0.780	0.554	0.386	0.272	0.206	0.161	0.129
Conductor cross-section	mm²	185	240	300	400	500			
DC conductor resistance at 20°C, maximum	Ω/km	0.106	0.0801	0.0641	0.0486	0.0384			

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Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
> 25 mm²	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm²	PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
YSLYu-O 0,6/1 kV				
1870 004	1 x 10	8.5	96.0	153
1870 003	1 x 16	10.2	153.6	232
1870 005	1 x 25	11.1	240.0	309
1870 006	1 x 35	12.9	336.0	422
1870 007	1 x 50	15.9	480.0	603
1870 008	1 x 70	18.6	672.0	846
1870 009	1 x 95	20.5	912.0	1091
1870 010	1 x 120	22.6	1152	1363
1870 002	1 x 150	24.5	1440	1580
1870 011	1 x 240	31.3	2304	2666
YSLYu-J 0,6/1 kV				
2112 001	1 x 6	7.7	57.6	110
2112 002	1 x 35	12.9	336.0	422
2112 003	1 x 150	24.5	1440	1580
2112 004	1 x 240	31.3	2304	2666
YSLYu-OZ 0,6/1 kV				
1898 006	2 x 0,5	7.6	9.6	80
1898 007	2 x 1,0	8.3	19.2	100
1898 008	3 x 1,0	8.7	28.8	114
1898 009	4 x 1,0	9.4	38.4	133
1898 010	2 x 1,5	8.9	28.8	119
1898 011	3 x 1,5	9.3	43.2	136
1898 012	4 x 1,5	10.1	57.6	161
1898 013	5 x 1,5	10.9	72.0	192

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1898 014	6 x 1,5	11.7	86.4	223
1898 005	7 x 1,5	11.7	100.8	231
1898 015	8 x 1,5	12.6	115.2	265
1898 016	12 x 1,5	15.1	172.8	362
1898 017	14 x 1,5	15.8	201.6	405
1898 018	25 x 1,5	20.8	360.0	683
1898 019	2 x 2,5	10.1	48.0	158
1898 020	3 x 2,5	10.7	72.0	187
1898 021	4 x 2,5	11.6	96.0	223
1898 002	5 x 2,5	12.6	120.0	269
1898 003	5 x 4	13.9	192.0	355
1898 022	2 x 6	12.2	115.2	258
1898 023	5 x 6	15.4	288.0	469
1898 024	4 x 10	17.5	384.0	621
1898 001	5 x 10	19.2	480.0	765
1898 025	5 x 25	26.8	1200	1650
1898 004	5 x 50	39.3	2400	3331
1898 026	5 x 240	81.0	11520	15285
YSLYu-JZ 0,6/1 kV				
1899 003	12 x 1,0	13.9	115.2	290
1899 004	25 x 1,0	19.2	240.0	541
1899 005	37 x 1,0	21.4	355.2	709
1899 006	3 x 1,5	9.3	43.2	136
1899 007	4 x 1,5	10.1	57.6	161
1899 008	5 x 1,5	10.9	72.0	192

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1899 009	10 x 1,5	14.6	144.0	323
1899 010	16 x 1,5	16.6	230.4	455
1899 011	30 x 1,5	21.6	432.0	762
1899 012	37 x 1,5	23.5	532.8	921
1899 013	3 x 2,5	10.7	72.0	187
1899 014	4 x 2,5	11.6	96.0	223
1899 015	5 x 2,5	12.6	120.0	269
1899 016	7 x 2,5	13.6	168.0	328
1899 017	10 x 2,5	17.1	240.0	463
1899 002	12 x 2,5	17.7	288.0	522
1899 018	14 x 2,5	18.6	336.0	588
1899 019	3 x 4	11.7	115.2	241
1899 020	4 x 4	12.8	153.6	292
1899 021	5 x 4	13.9	192.0	355
1899 022	3 x 6	12.9	172.8	314
1899 023	4 x 6	14.1	230.4	383
1899 024	5 x 6	15.4	288.0	469
1899 025	4 x 10	17.5	384.0	621
1899 026	5 x 10	19.2	480.0	765
1899 001	4 x 16	20.1	614.4	896
1899 027	5 x 16	22.4	768.0	1124
1899 028	3 x 25	21.9	720.0	1057
1899 029	4 x 25	24.2	960	1321
1899 030	5 x 25	26.8	1200	1650
1899 031	4 x 50	35.4	1920	2663
1899 032	5 x 50	39.3	2400	3331
1899 033	4 x 70	42.4	2688	3825
1899 034	4 x 95	46.8	3648	4914
1899 035	4 x 120	51.6	4608	6121
1899 036	4 x 150	56.6	5760	7195
1899 037	4 x 185	63.7	7104	9282
	YSLYu-JB 0,6/1 kV			
2017 001	3 x 1,5	9.3	43.2	136
2017 002	3 x 2,5	10.7	72.0	187
2017 003	4 x 2,5	11.6	96.0	223
2017 004	4 x 4	12.8	153.6	292
2017 005	4 x 50	35.4	1920	2663
2017 006	4 x 70	42.4	2688	3825
2017 007	4 x 95	46.8	3648	4914
2017 008	4 x 120	51.6	4608	6121
2017 009	5 x 95	52.0	4560	6155

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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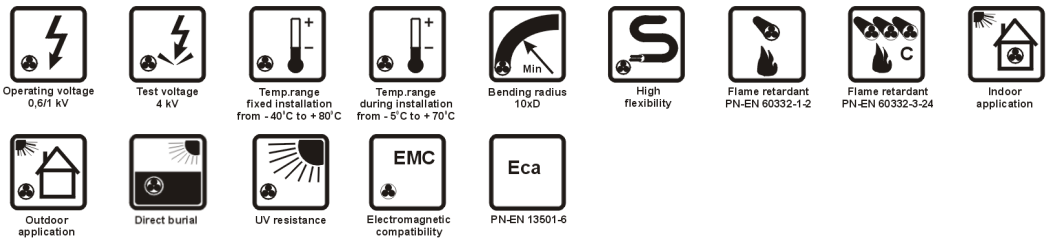
YSLCYu-JZ 0,6/1 kV, YSLCYu-OZ 0,6/1 kV, YSLCYu-JB 0,6/1 kV, YSLCYu-OB 0,6/1 kV



APPLICATIONS

YSLCYu-JZ 0,6/1 kV , YSLCYu-OZ 0,6/1 kV , YSLCYu-JB 0,6/1 kV and **YSLCYu-OB 0,6/1 kV** are flame retardant flexible, overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Sheathing black PVC is resistant to UV radiation.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:

  YSLCYu-OZ 0,6/1 kV - black and white conductor number printed on it,

  YSLCYu-OB 0,6/1 kV - colours in accordance with PN-HD 308 standard,

  green-yellow protective conductor located in the outer layer in **YSLCYu-JZ 0,6/1 kV** and **YSLCYu-JB 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- black (RAL 9005) special self-extinguishing PVC cable sheath.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91
Conductor cross-section	mm²	16	25	35	50	70	95	120	150
DC conductor resistance at 20°C, maximum	Ω/km	1.21	0.780	0.554	0.386	0.272	0.206	0.161	0.129

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
	YSLCYu-OZ 0,6/1 kV			
1893 003	2 x 0,5	8.1	19.3	81
1893 005	10 x 0,5	12.7	72.2	202
1893 006	14 x 0,5	13.6	93.8	247
1893 007	2 x 0,75	8.5	24.8	89
1893 008	3 x 0,75	8.8	32.6	104
1893 009	4 x 0,75	9.5	41.3	122
1893 010	2 x 1,0	8.8	30.2	98
1893 011	3 x 1,0	9.2	40.6	116
1893 012	4 x 1,0	10.0	55.9	142
1893 013	5 x 1,0	10.8	67.5	169
1893 014	6 x 1,0	11.5	79.0	195
1893 015	8 x 1,0	12.3	100.1	227
1893 016	10 x 1,0	14.1	123.7	269
1893 017	12 x 1,0	14.5	144.0	301
1893 018	15 x 1,0	16.0	176.8	372
1893 019	18 x 1,0	16.9	214.6	425
1893 020	21 x 1,0	17.6	246.3	472
1893 021	2 x 1,5	9.4	41.2	114
1893 002	3 x 1,5	9.9	60.1	141
1893 022	5 x 1,5	11.5	93.4	201
1893 023	12 x 2,5	18.4	334.6	534
1893 024	14 x 2,5	19.3	385.2	603
1893 025	4 x 4	13.4	179.9	292

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
	YSLCYu-JZ 0,6/1 kV			
1900 003	3 x 0,75	8.8	32.6	105
1900 008	4 x 0,75	9.5	41.3	122
1900 005	6 x 0,75	11.0	63.0	172
1900 007	10 x 0,75	13.4	97.9	235
1900 001	14 x 0,75	14.4	129.3	291
1900 009	5 x 1,0	10.8	67.2	168
1900 010	12 x 1,0	14.5	144.0	301
1900 011	14 x 1,0	15.2	165.1	336
1900 012	18 x 1,0	16.9	214.7	425
1900 004	5 x 1,5	11.5	93.7	202
1900 002	14 x 1,5	16.5	242.2	425
1900 013	18 x 1,5	18.2	305.3	528
1900 014	37 x 1,5	34.4	619.6	973
1900 015	42 x 1,5	26.3	698.8	1127
1900 006	3 x 2,5	11.3	92.5	188
1900 016	5 x 2,5	13.2	145.4	274
1900 017	10 x 2,5	17.8	284.7	468
1900 018	14 x 2,5	19.3	385.6	602
1900 019	20 x 2,5	22.6	541.9	853
1900 020	4 x 6	14.7	260.4	378

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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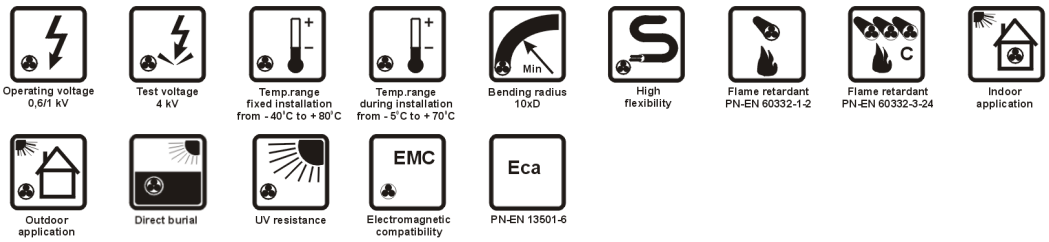
Connecting since 1982

YSLYCYu-JZ 0,6/1 kV, YSLYCYu-OZ 0,6/1 kV, YSLYCYu-JB 0,6/1 kV, YSLYCYu-OB 0,6/1 kV



APPLICATIONS

YSLYCYu-JZ 0,6/1 kV , YSLYCYu-OZ 0,6/1 kV , YSLYCYu-JB 0,6/1 kV and **YSLYCYu-OB 0,6/1 kV** are flame retardant flexible, overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

Cable inner sheath offers enhanced protection against mechanical damage.

production lines, air-conditioning equipment etc.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Sheathing black PVC is resistant to UV radiation.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:

  YSLYCYu-OZ 0,6/1 kV - black and white conductor number printed on it,

  YSLYCYu-OB 0,6/1 kV - colours in accordance with PN-HD 308 standard,

  green-yellow protective conductor in the outer layer in **YSLYCYu-JZ 0,6/1 kV** and **YSLYCYu-JB 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- inner PVC sheath,
- tinned copper wire braid shield of effective density coverage,
- black (RAL 9005) special self-extinguishing PVC cable sheath.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91
Conductor cross-section	mm^2	16	25	35	50	70	95	120	150
DC conductor resistance at 20°C, maximum	Ω/km	1.21	0.780	0.554	0.386	0.272	0.206	0.161	0.129

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
	YSLYCYu-OZ 0,6/1 kV			
2113 001	2 x 0,5	9.1	21.3	114
2113 002	3 x 0,5	9.4	26.8	124
2113 003	4 x 0,5	10.3	37.1	150
2113 004	3 x 0,75	10.1	39.1	147
2113 005	2 x 1,0	10.1	36.7	146
2113 006	3 x 1,0	10.5	47.4	162
2113 007	4 x 1,0	11.2	58.8	185
2113 008	6 x 1,0	12.7	81.8	243
2113 009	8 x 1,0	13.7	103.8	285
2113 010	10 x 1,0	15.5	127.8	341
2113 011	12 x 1,0	15.9	147.9	372
2113 012	2 x 1,5	10.7	48.4	168
2113 013	3 x 1,5	11.1	63.2	187
2113 014	4 x 1,5	11.9	80.3	217
2113 015	5 x 1,5	12.7	96.2	252
2113 016	7 x 1,5	13.7	127.9	302
2113 017	8 x 1,5	14.6	144.2	340
2113 018	10 x 1,5	16.7	185.4	416
2113 019	12 x 1,5	17.4	216.2	466
2113 020	2 x 2,5	11.9	70.7	212
2113 021	3 x 2,5	12.5	95.8	245
2113 022	2 x 4	12.9	102.0	260
	YSLYCYu-JZ 0,6/1 kV			
2114 001	5 x 1,0	12.0	70.8	216
2114 002	12 x 1,0	15.9	147.9	372
2114 003	14 x 1,0	16.7	175.8	417
2114 004	18 x 1,0	18.5	220.0	515
2114 005	21 x 1,0	19.2	250.5	563
2114 006	25 x 1,0	21.9	296.7	693
2114 007	3 x 1,5	11.1	63.2	187
2114 008	4 x 1,5	11.9	80.3	217
2114 009	7 x 1,5	13.7	127.8	302
2114 010	12 x 1,5	17.4	216.3	467
2114 011	25 x 1,5	23.7	445.6	870
2114 012	7 x 2,5	15.6	199.9	409
2114 013	12 x 2,5	20.0	339.4	642
2114 014	25 x 2,5	28.4	728.0	1291
2114 015	3 x 4	13.7	142.2	309
	YSLYCYu-JB 0,6/1 kV			
2115 001	4 x 95	52.1	4035	5524
2115 002	5 x 95	57.7	4957	6844

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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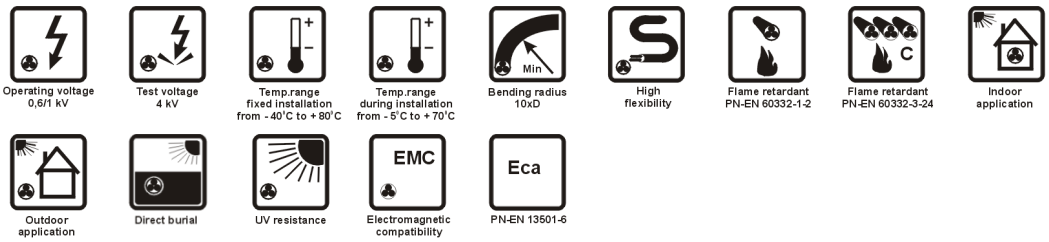
YSLCYu-Z 0,6/1 kV multipair construction



APPLICATIONS

YSLCYu-Z 0,6/1 kV are flame retardant, flexible, multipair overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

Paired structure decreases mutual influence between signals transmitted along the cable.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Sheathing black PVC is resistant to UV radiation.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code: black insulation and white conductor numbers printed on it for identification,
  pair no 1: conductor no 1 and conductor no 2,
  pair no 2: conductor no 3 and conductor no 4, e.t.c,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- black (RAL 9005) special self-extinguishing PVC cable sheath.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28
Capacitance between conductors at 1 kHz, appr.	nF/km	120	120	120	130	130

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-50
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
2014 003	2 x 2 x 1,0	12.6	62.8	183
2014 004	4 x 2 x 1,0	14.4	105.3	247
2014 005	8 x 2 x 1,0	18.2	199.5	407
2014 001	12 x 2 x 1,0	21.4	286.2	555

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
2014 002	24 x 2 x 1,0	29.7	599.2	1077
2014 006	2 x 2 x 1,5	13.5	83.9	217
2014 007	2 x 2 x 2,5	15.6	127.9	292
2014 008	12 x 2 x 2,5	28.5	705.0	1097

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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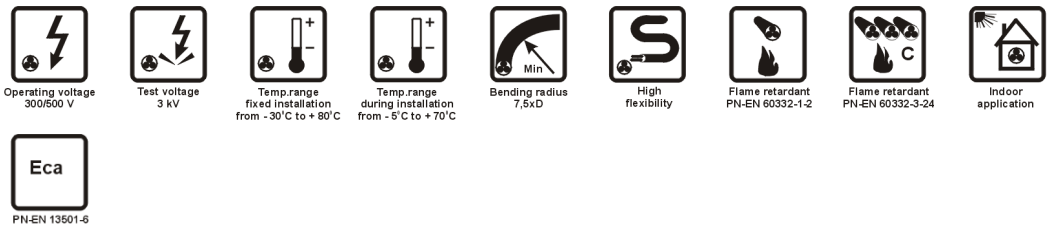
TECHNOKONTROL YnKSLY-Nr 300/500 V, TECHNOKONTROL YnKSLYżo-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YnKSLY-Nr 300/500 V and **TECHNOKONTROL YnKSLYżo-Nr 300/500 V** are flexible, flame retardant cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YnKSLYżo-Nr 300/500 V** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLY-Nr-O 300/500 V and **TECHNOKONTROL YnKSLYżo-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLY-Nr 300/500 V and **TECHNOKONTROL YnvKSLYżo-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLH-Nr 300/500 V and **TECHNOKONTROL HKSLHżo-Nr 300/500 V** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-15
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0371 046	2 x 0,5	4.7	9.6	28
0371 047	3 x 0,5	5.0	14.4	35
0371 048	4 x 0,5	5.4	19.2	43
0371 021	5 x 0,5	5.9	24.0	53
0371 049	6 x 0,5	6.4	28.8	62
0371 006	7 x 0,5	6.4	33.6	65
0371 050	8 x 0,5	6.9	38.4	76
0371 051	10 x 0,5	8.0	48.0	90
0371 052	12 x 0,5	8.3	57.6	104
0371 053	14 x 0,5	8.7	67.2	117
0371 054	16 x 0,5	9.2	76.8	134
0371 055	20 x 0,5	10.6	96.0	177
0371 056	21 x 0,5	10.6	100.8	180
0371 057	25 x 0,5	12.2	120.0	222
0371 058	32 x 0,5	13.1	153.6	268
0371 059	37 x 0,5	13.6	177.6	297
0371 060	42 x 0,5	14.8	201.6	350
0371 061	50 x 0,5	16.1	240.0	405
0371 062	56 x 0,5	16.6	268.8	440
0371 063	61 x 0,5	17.1	292.8	472

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0371 022	2 x 0,75	5.1	14.4	34
0371 023	3 x 0,75	5.3	21.6	43
0371 011	4 x 0,75	5.8	28.8	53
0371 014	5 x 0,75	6.3	36.0	66
0371 064	6 x 0,75	6.9	43.2	79
0371 019	7 x 0,75	6.9	50.4	83
0371 013	8 x 0,75	7.4	57.6	97
0371 065	10 x 0,75	8.7	72.0	116
0371 066	12 x 0,75	9.0	86.4	134
0371 067	14 x 0,75	9.9	100.8	162
0371 039	16 x 0,75	10.4	115.2	184
0371 068	20 x 0,75	11.5	144.0	228
0371 015	21 x 0,75	11.5	151.2	233
0371 069	25 x 0,75	13.3	180.0	287
0371 070	32 x 0,75	14.5	230.4	357
0371 071	37 x 0,75	15.0	266.4	395
0371 072	42 x 0,75	16.1	302.4	456
0371 073	50 x 0,75	17.6	360.0	530
0371 004	2 x 1,0	5.4	19.2	40
0371 012	3 x 1,0	5.7	28.8	52

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0371 005	4 x 1,0	6.3	38.4	65
0371 018	5 x 1,0	6.8	48.0	81
0371 017	6 x 1,0	7.4	57.6	97
0371 074	7 x 1,0	7.4	67.2	103
0371 040	8 x 1,0	8.0	76.8	119
0371 025	10 x 1,0	9.8	96.0	153
0371 041	12 x 1,0	10.2	115.2	177
0371 027	14 x 1,0	10.7	134.4	201
0371 042	16 x 1,0	11.2	153.6	228
0371 075	20 x 1,0	12.7	192.0	291
0371 016	21 x 1,0	12.7	201.6	297
0371 076	25 x 1,0	14.6	240.0	364
0371 077	32 x 1,0	15.7	307.2	445
0371 078	37 x 1,0	16.3	355.2	495
0371 079	42 x 1,0	17.5	403.2	571
0371 080	50 x 1,0	19.3	480.0	675
0371 002	2 x 1,5	6.0	28.8	51
0371 007	3 x 1,5	6.3	43.2	67
0371 001	4 x 1,5	6.9	57.6	85
0371 030	5 x 1,5	7.6	72.0	106
0371 026	6 x 1,5	8.2	86.4	127
0371 034	7 x 1,5	8.2	100.8	136
0371 010	8 x 1,5	8.9	115.2	159
0371 033	10 x 1,5	10.9	144.0	201
0371 029	12 x 1,5	11.3	172.8	234
0371 003	14 x 1,5	12.1	201.6	273
0371 035	16 x 1,5	12.7	230.4	311
0371 081	20 x 1,5	14.3	288.0	395
0371 082	21 x 1,5	14.3	302.4	404
0371 083	25 x 1,5	16.2	360.0	484
0371 084	32 x 1,5	17.5	460.8	596
0371 085	37 x 1,5	18.4	532.8	676
0371 086	42 x 1,5	19.8	604.8	779
0371 087	50 x 1,5	21.6	720.0	909
0371 037	2 x 2,5	6.8	48.0	71
0371 088	3 x 2,5	7.2	72.0	96
0371 008	4 x 2,5	7.9	96.0	123

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0371 089	5 x 2,5	8.7	120.0	154
0371 009	6 x 2,5	9.9	144.0	196
0371 031	7 x 2,5	9.9	168.0	210
0371 043	8 x 2,5	10.8	192.0	245
0371 036	10 x 2,5	12.8	240.0	301
0371 044	12 x 2,5	13.3	288.0	351
0371 090	14 x 2,5	14.2	336.0	410
0371 091	16 x 2,5	14.9	384.0	466
0371 092	20 x 2,5	16.6	480.0	583
0371 093	21 x 2,5	16.6	504.0	597
0371 094	25 x 2,5	19.1	600.0	729
0371 095	2 x 4	8.2	76.8	103
0371 096	3 x 4	8.7	115.2	143
0371 045	4 x 4	10.0	153.6	194
0371 097	5 x 4	11.0	192.0	243
0371 098	7 x 4	12.2	268.8	322
0371 099	3 x 6	10.5	172.8	216
0371 020	4 x 6	11.6	230.4	278
0371 100	5 x 6	12.9	288.0	357
0371 101	7 x 6	14.4	403.2	474
0371 102	3 x 10	13.3	288.0	361
0371 103	4 x 10	14.9	384.0	475
0371 104	5 x 10	16.4	480.0	600
0371 105	7 x 10	18.0	672.0	790
0371 106	3 x 16	15.9	460.8	549
0371 107	4 x 16	17.5	614.4	713
0371 108	5 x 16	19.5	768.0	913
0371 109	7 x 16	21.4	1075	1211
0371 110	3 x 25	18.6	720.0	795
0371 111	4 x 25	20.6	960.0	1036
0371 112	5 x 25	22.9	1200	1325
0371 113	3 x 35	21.9	1008	1097
0371 114	4 x 35	24.5	1344	1447
0371 115	5 x 35	27.1	1680	1839
0371 116	3 x 50	27.5	1440	1608
0371 117	4 x 50	30.5	1920	2107
0371 118	5 x 50	34.0	2400	2707

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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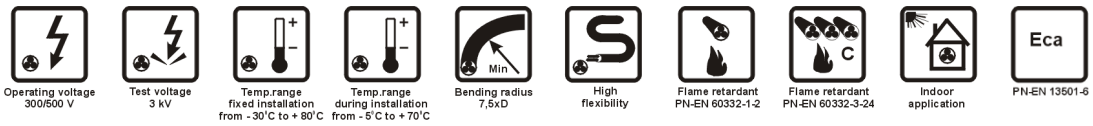
TECHNOKONTROL YnKSLY-P 300/500 V, TECHNOKONTROL YnKSLY-P-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YnKSLY-P 300/500 V and **TECHNOKONTROL YnKSLY-P-Nr 300/500 V** are multipair flexible, flame retardant cables designed for control, protection and monitoring systems or power supply, all in power engineering.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YnKSLY-P 300/500 V** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YnKSLY-P-Nr 300/500 V** cable,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLY-P-O 300/500 V and **TECHNOKONTROL YnKSLY-P-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLY-P 300/500 V and **TECHNOKONTROL YnvKSLY-P-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLH-P 300/500 V and **TECHNOKONTROL HKSLHP-Nr 300/500 V** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-17
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0372 008	2 x 2 x 0,5	7.0	19.2	53
0372 009	3 x 2 x 0,5	7.4	28.8	63
0372 010	4 x 2 x 0,5	8.2	38.4	79
0372 011	5 x 2 x 0,5	9.0	48.0	94
0372 012	6 x 2 x 0,5	10.2	57.6	120
0372 013	7 x 2 x 0,5	10.2	67.2	133
0372 014	8 x 2 x 0,5	10.9	76.8	148
0372 015	10 x 2 x 0,5	12.6	96.0	187
0372 016	12 x 2 x 0,5	13.1	115.2	214
0372 017	14 x 2 x 0,5	14.2	134.4	251
0372 018	16 x 2 x 0,5	15.1	153.6	282
0372 019	18 x 2 x 0,5	15.8	172.8	311
0372 020	20 x 2 x 0,5	16.6	192.0	340
0372 021	24 x 2 x 0,5	18.0	230.4	398
0372 022	25 x 2 x 0,5	18.5	240.0	422
0372 023	27 x 2 x 0,5	19.1	259.2	451
0372 024	30 x 2 x 0,5	20.0	288.0	494
0372 025	31 x 2 x 0,5	20.3	297.6	508
0372 026	33 x 2 x 0,5	20.9	316.8	537
0372 005	2 x 2 x 0,75	7.6	28.8	69

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0372 027	3 x 2 x 0,75	8.1	43.2	80
0372 028	4 x 2 x 0,75	8.9	57.6	100
0372 029	5 x 2 x 0,75	10.2	72.0	131
0372 030	7 x 2 x 0,75	11.1	100.8	169
0372 031	8 x 2 x 0,75	12.1	115.2	196
0372 032	10 x 2 x 0,75	13.7	144.0	239
0372 033	12 x 2 x 0,75	14.6	172.8	284
0372 034	16 x 2 x 0,75	16.5	230.4	364
0372 035	18 x 2 x 0,75	17.3	259.2	403
0372 036	20 x 2 x 0,75	18.4	288.0	452
0372 037	24 x 2 x 0,75	19.9	345.6	530
0372 038	25 x 2 x 0,75	20.2	360.0	549
0372 039	27 x 2 x 0,75	20.9	388.8	587
0372 040	2 x 2 x 1,0	8.2	38.4	81
0372 041	3 x 2 x 1,0	8.7	57.6	97
0372 042	4 x 2 x 1,0	10.0	76.8	133
0372 002	5 x 2 x 1,0	11.0	96.0	160
0372 003	7 x 2 x 1,0	12.3	134.4	215
0372 004	10 x 2 x 1,0	15.1	192.0	303
0372 043	12 x 2 x 1,0	15.8	230.4	352

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0372 044	14 x 2 x 1,0	16.9	268.8	402
0372 045	16 x 2 x 1,0	17.9	307.2	453
0372 001	18 x 2 x 1,0	19.0	345.6	512
0372 046	20 x 2 x 1,0	19.9	384.0	562
0372 047	24 x 2 x 1,0	21.6	460.8	661
0372 048	2 x 2 x 1,5	9.2	57.6	103
0372 049	3 x 2 x 1,5	10.1	86.4	138
0372 050	4 x 2 x 1,5	11.1	115.2	173
0372 051	5 x 2 x 1,5	12.5	144.0	216
0372 052	7 x 2 x 1,5	13.6	201.6	284
0372 053	10 x 2 x 1,5	16.8	288.0	402
0372 054	12 x 2 x 1,5	17.6	345.6	468

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0372 055	14 x 2 x 1,5	19.0	403.2	547
0372 056	16 x 2 x 1,5	20.2	460.8	617
0372 057	20 x 2 x 1,5	22.3	576.0	754
0372 058	2 x 2 x 2,5	11.0	96.0	158
0372 059	3 x 2 x 2,5	11.7	144.0	198
0372 060	4 x 2 x 2,5	13.1	192.0	258
0372 061	5 x 2 x 2,5	14.7	240.0	321
0372 062	7 x 2 x 2,5	16.0	336.0	426
0372 063	10 x 2 x 2,5	19.7	480.0	602
0372 064	12 x 2 x 2,5	20.7	576.0	704
0372 065	14 x 2 x 2,5	22.2	672.0	810
0372 066	16 x 2 x 2,5	23.7	768.0	924

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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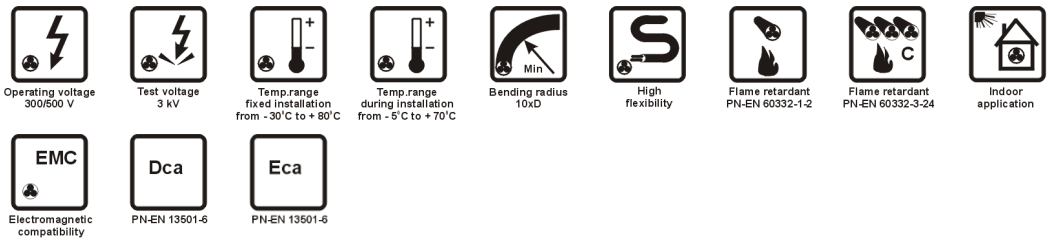
TECHNOKONTROL YnKSLYekw-Nr 300/500 V, TECHNOKONTROL YnKSLYekwżo-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YnKSLYekw-Nr 300/500 V and **TECHNOKONTROL YnKSLYekwżo-Nr 300/500 V** are flexible, overall shielded, flame retardant cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YnKSLYekwżo-Nr 300/500 V** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLYekw-Nr-O 300/500 V and **TECHNOKONTROL YnKSLYekwżo-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLYekw-Nr 300/500 V and **TECHNOKONTROL YnvKSLYekwżo-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-15
CPR – class reaction on fire	Dca-s3,d2 ; Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0375 016	2 x 0,5	4.8	12.0	32	Dca
0375 013	3 x 0,5	5.1	16.8	39	Dca
0375 040	4 x 0,5	5.5	21.6	47	Dca
0375 055	5 x 0,5	6.0	26.4	56	Dca
0375 025	6 x 0,5	6.5	31.2	67	Dca
0375 056	7 x 0,5	6.5	36.0	69	Dca
0375 057	8 x 0,5	7.0	40.8	80	Dca
0375 014	10 x 0,5	8.1	50.4	94	Dca
0375 054	12 x 0,5	8.4	60.0	108	Dca
0375 058	14 x 0,5	8.8	69.6	122	Dca
0375 048	16 x 0,5	9.3	79.2	138	Dca
0375 059	20 x 0,5	10.7	98.4	182	Dca
0375 060	21 x 0,5	10.7	103.2	185	Dca
0375 061	25 x 0,5	12.3	122.4	228	Dca
0375 062	32 x 0,5	13.2	156.0	274	Dca
0375 063	37 x 0,5	13.7	180.0	303	Dca
0375 064	42 x 0,5	14.9	204.0	356	Dca
0375 065	50 x 0,5	16.2	242.4	412	Dca
0375 066	56 x 0,5	16.7	271.2	447	Dca
0375 001	2 x 0,75	5.2	19.2	40	Dca

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0375 024	3 x 0,75	5.4	26.4	49	Dca
0375 002	4 x 0,75	5.9	33.6	59	Dca
0375 044	5 x 0,75	6.4	40.8	72	Dca
0375 021	6 x 0,75	7.0	48.0	86	Dca
0375 028	7 x 0,75	7.0	55.2	90	Dca
0375 029	8 x 0,75	7.5	62.4	103	Dca
0375 045	10 x 0,75	8.8	76.8	122	Dca
0375 022	12 x 0,75	9.1	91.2	140	Dca
0375 023	14 x 0,75	10.0	105.6	170	Dca
0375 003	16 x 0,75	10.5	120.0	191	Dca
0375 053	20 x 0,75	11.6	148.8	236	Dca
0375 067	21 x 0,75	11.6	156.0	240	Dca
0375 068	25 x 0,75	13.4	184.8	295	Dca
0375 049	32 x 0,75	14.6	235.2	365	Dca
0375 004	37 x 0,75	15.1	271.2	404	Dca
0375 069	42 x 0,75	16.2	307.2	465	Dca
0375 070	50 x 0,75	17.7	364.8	539	Dca
0375 005	2 x 1,0	5.5	24.0	46	Dca
0375 008	3 x 1,0	5.8	33.6	58	Dca
0375 006	4 x 1,0	6.4	43.2	71	Dca

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0375 007	5 x 1,0	6.9	52.8	87	Dca
0375 026	6 x 1,0	7.5	62.4	103	Dca
0375 011	7 x 1,0	7.5	72.0	109	Dca
0375 031	8 x 1,0	8.1	81.6	126	Dca
0375 012	10 x 1,0	9.9	100.8	160	Dca
0375 009	12 x 1,0	10.3	120.0	184	Dca
0375 010	14 x 1,0	10.8	139.2	208	Dca
0375 030	16 x 1,0	11.3	158.4	236	Dca
0375 032	20 x 1,0	12.8	196.8	299	Dca
0375 071	21 x 1,0	12.8	206.4	304	Dca
0375 035	25 x 1,0	14.7	244.8	373	Dca
0375 034	32 x 1,0	15.8	312.0	453	Dca
0375 042	37 x 1,0	16.4	360.0	504	Dca
0375 072	42 x 1,0	17.6	408.0	580	Dca
0375 073	50 x 1,0	19.4	484.8	684	Dca
0375 018	2 x 1,5	6.1	36.0	58	Dca
0375 015	3 x 1,5	6.4	50.4	75	Dca
0375 037	4 x 1,5	7.0	64.8	93	Dca
0375 020	5 x 1,5	7.7	79.2	114	Dca
0375 074	6 x 1,5	8.3	93.6	136	Dca
0375 017	7 x 1,5	8.3	108.0	145	Dca
0375 051	8 x 1,5	9.0	122.4	167	Dca
0375 039	10 x 1,5	11.0	151.2	211	Dca
0375 036	12 x 1,5	11.4	180.0	243	Dca
0375 075	14 x 1,5	12.2	208.8	283	Dca
0375 076	16 x 1,5	12.8	237.6	320	Dca
0375 077	20 x 1,5	14.4	295.2	405	Dca
0375 078	21 x 1,5	14.4	309.6	414	Dca
0375 079	25 x 1,5	16.3	367.2	495	Dca
0375 080	32 x 1,5	17.6	468.0	607	Dca
0375 081	37 x 1,5	18.5	540.0	687	Dca
0375 082	42 x 1,5	19.9	612.0	790	Dca
0375 083	50 x 1,5	21.7	727.2	921	Dca
0375 019	2 x 2,5	6.9	55.2	79	Dca
0375 046	3 x 2,5	7.3	79.2	104	Dca

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0375 038	4 x 2,5	8.0	103.2	131	Dca
0375 084	5 x 2,5	8.8	127.2	163	Dca
0375 085	6 x 2,5	10.0	151.2	205	Dca
0375 086	7 x 2,5	10.0	175.2	219	Dca
0375 087	8 x 2,5	10.9	199.2	254	Dca
0375 088	10 x 2,5	12.9	247.2	311	Dca
0375 089	12 x 2,5	13.4	295.2	361	Dca
0375 090	14 x 2,5	14.3	343.2	420	Dca
0375 091	16 x 2,5	15.0	391.2	477	Dca
0375 092	2 x 4	8.3	86.4	114	Eca
0375 093	3 x 4	8.8	124.8	153	Eca
0375 094	4 x 4	10.1	163.2	205	Eca
0375 095	5 x 4	11.1	201.6	254	Eca
0375 096	7 x 4	12.3	278.4	334	Eca
0375 097	3 x 6	10.6	182.4	227	Eca
0375 098	4 x 6	11.7	240.0	289	Eca
0375 099	5 x 6	13.0	297.6	369	Eca
0375 100	7 x 6	14.5	412.8	486	Eca
0375 101	3 x 10	13.4	297.6	373	Eca
0375 102	4 x 10	15.0	393.6	488	Eca
0375 103	5 x 10	16.5	489.6	613	Eca
0375 104	7 x 10	18.1	681.6	804	Eca
0375 105	3 x 16	16.0	475.2	565	Eca
0375 106	4 x 16	17.6	628.8	730	Eca
0375 107	5 x 16	19.6	782.4	931	Eca
0375 108	7 x 16	21.5	1090	1229	Eca
0375 109	3 x 25	18.7	734.4	812	Eca
0375 110	4 x 25	20.7	974.4	1055	Eca
0375 111	5 x 25	23.0	1214	1344	Eca
0375 112	3 x 35	22.0	1022	1115	Eca
0375 113	4 x 35	24.6	1358	1466	Eca
0375 114	5 x 35	27.2	1694	1859	Eca
0375 115	3 x 50	27.6	1464	1636	Eca
0375 116	4 x 50	30.8	1944	2151	Eca
0375 117	5 x 50	34.1	2424	2736	Eca

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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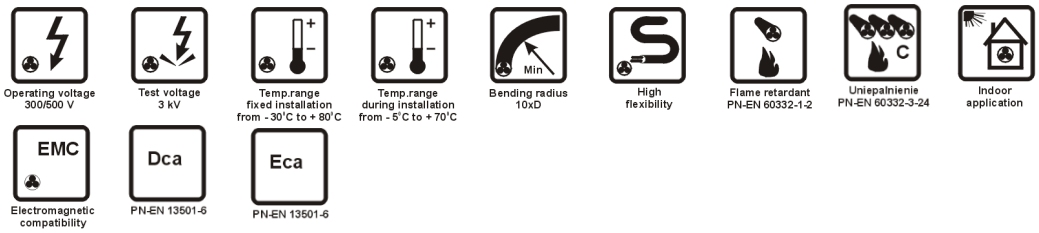
TECHNOKONTROL YnKSLYekw-P 300/500 V, TECHNOKONTROL YnKSLYekw-P-Nr 300/500 V



APPLICATIONS

TECHNOKONTROL YKSLYekw-P 300/500 V and TECHNOKONTROL YKSLYekw-P-Nr 300/500 V are multipair flexible, overall shielded cables designed for control, protection and monitoring systems or power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLYekw-P 300/500 V** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLYekw-P-Nr 300/500 V** cable,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-P-O 300/500 V and **TECHNOKONTROL YKSLYekw-P-Nr-O 300/500 V** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw-P 300/500 V and **TECHNOKONTROL YnKSLYekw-P-Nr 300/500 V** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL YvKSLYekw-P 300/500 V and **TECHNOKONTROL YvKSLYekw-P-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-17
CPR – class reaction on fire	Dca-s3,d2 ; Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm^2	mm	kg/km	kg/km	
0637 001	2 x 2 x 0,5	7.1	21.6	58	Dca
0637 020	3 x 2 x 0,5	7.5	31.2	68	Dca
0637 002	4 x 2 x 0,5	8.3	40.8	83	Dca
0637 024	5 x 2 x 0,5	9.1	50.4	99	Dca
0637 003	6 x 2 x 0,5	10.3	60.0	125	Dca
0637 025	7 x 2 x 0,5	10.3	69.6	138	Dca
0637 006	8 x 2 x 0,5	11.0	79.2	154	Dca
0637 018	10 x 2 x 0,5	12.7	98.4	192	Dca
0637 019	12 x 2 x 0,5	13.2	117.6	220	Dca
0637 026	14 x 2 x 0,5	14.3	136.8	257	Dca
0637 021	16 x 2 x 0,5	15.2	156.0	288	Dca
0637 027	18 x 2 x 0,5	15.9	175.2	317	Dca
0637 028	20 x 2 x 0,5	16.7	194.4	347	Dca
0637 029	24 x 2 x 0,5	18.1	232.8	406	Dca
0637 030	25 x 2 x 0,5	18.6	242.4	429	Dca
0637 031	30 x 2 x 0,5	20.1	290.4	502	Eca
0637 032	31 x 2 x 0,5	20.4	300.0	517	Eca
0637 033	33 x 2 x 0,5	21.0	319.2	546	Eca
0637 034	2 x 2 x 0,75	7.7	33.6	76	Dca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm^2	mm	kg/km	kg/km	
0637 035	3 x 2 x 0,75	8.2	48.0	86	Dca
0637 036	4 x 2 x 0,75	9.0	62.4	107	Dca
0637 037	5 x 2 x 0,75	10.3	76.8	138	Dca
0637 038	7 x 2 x 0,75	11.2	105.6	176	Dca
0637 039	10 x 2 x 0,75	13.8	148.8	247	Dca
0637 040	12 x 2 x 0,75	14.7	177.6	292	Dca
0637 041	14 x 2 x 0,75	15.7	206.4	333	Dca
0637 042	16 x 2 x 0,75	16.6	235.2	373	Dca
0637 043	24 x 2 x 0,75	20.0	350.4	539	Dca
0637 044	27 x 2 x 0,75	21.0	393.6	598	Eca
0637 005	2 x 2 x 1,0	8.3	43.2	88	Dca
0637 007	3 x 2 x 1,0	8.8	62.4	104	Dca
0637 014	4 x 2 x 1,0	10.1	81.6	140	Dca
0637 015	5 x 2 x 1,0	11.1	100.8	167	Dca
0637 008	7 x 2 x 1,0	12.4	139.2	223	Dca
0637 011	10 x 2 x 1,0	15.2	196.8	312	Dca
0637 009	12 x 2 x 1,0	15.9	235.2	360	Dca
0637 023	14 x 2 x 1,0	17.0	273.6	411	Dca
0637 045	16 x 2 x 1,0	18.0	312.0	462	Dca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0637 013	24 x 2 x 1,0	21.7	465.6	672	Dca
0637 022	2 x 2 x 1,5	9.3	64.8	112	Dca
0637 046	3 x 2 x 1,5	10.2	93.6	147	Dca
0637 047	4 x 2 x 1,5	11.2	122.4	183	Dca
0637 048	5 x 2 x 1,5	12.6	151.2	226	Dca
0637 049	7 x 2 x 1,5	13.7	208.8	294	Dca
0637 050	10 x 2 x 1,5	16.9	295.2	413	Dca
0637 051	12 x 2 x 1,5	17.7	352.8	480	Dca
0637 052	14 x 2 x 1,5	19.1	410.4	558	Dca
0637 053	16 x 2 x 1,5	20.3	468.0	629	Dca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0637 054	20 x 2 x 1,5	22.6	583.2	778	Dca
0637 055	2 x 2 x 2,5	11.1	103.2	167	Dca
0637 056	3 x 2 x 2,5	12.0	151.2	213	Dca
0637 004	4 x 2 x 2,5	13.2	199.2	268	Dca
0637 057	5 x 2 x 2,5	14.8	247.2	331	Dca
0637 058	7 x 2 x 2,5	16.1	343.2	436	Dca
0637 059	10 x 2 x 2,5	19.8	487.2	613	Dca
0637 060	12 x 2 x 2,5	20.8	583.2	717	Dca
0637 061	14 x 2 x 2,5	22.3	679.2	823	Dca
0637 062	16 x 2 x 2,5	23.8	775.2	937	Dca

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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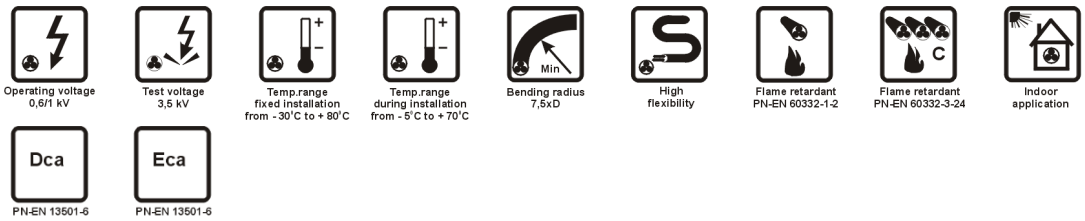
TECHNOKONTROL YnKSLY-Nr 0,6/1 kV, TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YnKSLY-Nr 0,6/1 kV and **TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV** are flexible, flame retardant cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLY-Nr-O 0,6/1 kV and **TECHNOKONTROL YnKSLYżo-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLY-Nr 0,6/1 kV and **TECHNOKONTROL YnvKSLYżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLH-Nr 0,6/1 kV and TECHNOKONTROL HKSLHżo-Nr 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-15
CPR – class reaction on fire	Dca-s3,d2 ; Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0813 031	2 x 0,75	6.4	14.4	49	Dca
0813 055	3 x 0,75	6.8	21.6	62	Dca
0813 026	4 x 0,75	7.4	28.8	76	Dca
0813 045	5 x 0,75	8.0	36.0	94	Dca
0813 056	6 x 0,75	8.7	43.2	112	Dca
0813 025	7 x 0,75	8.7	50.4	116	Eca
0813 057	8 x 0,75	9.4	57.6	135	Eca
0813 027	10 x 0,75	11.2	72.0	165	Eca
0813 058	12 x 0,75	11.6	86.4	190	Eca
0813 043	14 x 0,75	12.4	100.8	222	Eca
0813 046	16 x 0,75	13.1	115.2	252	Eca
0813 059	20 x 0,75	14.7	144.0	320	Eca
0813 060	21 x 0,75	14.7	151.2	324	Eca
0813 061	25 x 0,75	16.6	180.0	390	Eca
0813 062	32 x 0,75	17.9	230.4	472	Eca
0813 063	37 x 0,75	19.0	266.4	541	Eca
0813 047	40 x 0,75	19.7	288.0	584	Eca
0813 064	42 x 0,75	20.4	302.4	625	Eca
0813 065	50 x 0,75	22.2	360.0	723	Eca
0813 066	56 x 0,75	23.3	403.2	808	Eca
0813 067	61 x 0,75	24.0	439.2	866	Eca
0813 068	65 x 0,75	24.7	468.0	921	Eca
0813 069	75 x 0,75	26.7	540.0	1044	Eca
0813 070	80 x 0,75	27.3	576.0	1104	Eca
0813 071	100 x 0,75	30.0	720.0	1368	Eca
0813 016	2 x 1,0	6.8	19.2	56	Dca

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0813 021	3 x 1,0	7.2	28.8	72	Dca
0813 018	4 x 1,0	7.8	38.4	89	Dca
0813 048	5 x 1,0	8.5	48.0	110	Dca
0813 049	6 x 1,0	9.3	57.6	131	Dca
0813 010	7 x 1,0	9.3	67.2	137	Eca
0813 032	8 x 1,0	10.2	76.8	165	Eca
0813 019	10 x 1,0	12.2	96.0	203	Eca
0813 033	12 x 1,0	12.5	115.2	232	Eca
0813 011	14 x 1,0	13.2	134.4	264	Eca
0813 050	16 x 1,0	13.9	153.6	300	Eca
0813 040	20 x 1,0	15.6	192.0	381	Eca
0813 041	21 x 1,0	15.6	201.6	387	Eca
0813 051	25 x 1,0	17.7	240.0	466	Eca
0813 052	32 x 1,0	19.5	307.2	588	Eca
0813 053	37 x 1,0	20.2	355.2	650	Eca
0813 028	40 x 1,0	21.0	384.0	703	Eca
0813 072	42 x 1,0	21.8	403.2	753	Eca
0813 073	50 x 1,0	24.2	480.0	897	Eca
0813 074	56 x 1,0	24.9	537.6	974	Eca
0813 075	61 x 1,0	25.6	585.6	1045	Eca
0813 076	65 x 1,0	26.4	624.0	1112	Eca
0813 077	75 x 1,0	28.5	720.0	1263	Eca
0813 078	80 x 1,0	29.1	768.0	1337	Eca
0813 079	100 x 1,0	32.3	960.0	1677	Eca
0813 002	2 x 1,5	7.3	28.8	68	Dca
0813 005	3 x 1,5	7.7	43.2	89	Dca

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0813 020	4 x 1,5	8.5	57.6	111	Dca
0813 004	5 x 1,5	9.3	72.0	139	Dca
0813 042	6 x 1,5	10.3	86.4	171	Dca
0813 003	7 x 1,5	10.3	100.8	180	Dca
0813 054	8 x 1,5	11.1	115.2	210	Dca
0813 001	10 x 1,5	13.2	144.0	257	Dca
0813 034	12 x 1,5	13.7	172.8	297	Eca
0813 006	14 x 1,5	14.6	201.6	346	Eca
0813 035	16 x 1,5	15.4	230.4	393	Eca
0813 036	20 x 1,5	17.0	288.0	491	Eca
0813 080	21 x 1,5	17.0	302.4	499	Eca
0813 037	25 x 1,5	19.8	360.0	621	Eca
0813 038	32 x 1,5	21.3	460.8	758	Eca
0813 039	37 x 1,5	22.1	532.8	843	Eca
0813 081	40 x 1,5	23.4	576.0	936	Eca
0813 082	42 x 1,5	24.2	604.8	999	Eca
0813 083	50 x 1,5	26.4	720.0	1160	Eca
0813 084	56 x 1,5	27.2	806.4	1264	Eca
0813 085	61 x 1,5	28.0	878.4	1360	Eca
0813 086	65 x 1,5	28.9	936.0	1448	Eca
0813 087	75 x 1,5	31.4	1080	1663	Eca
0813 088	80 x 1,5	32.1	1152	1763	Eca
0813 089	100 x 1,5	35.5	1440	2192	Eca
0813 024	2 x 2,5	8.2	48.0	89	Dca
0813 014	3 x 2,5	8.7	72.0	119	Dca
0813 015	4 x 2,5	9.5	96.0	149	Dca
0813 009	5 x 2,5	10.6	120.0	193	Dca
0813 090	6 x 2,5	11.6	144.0	231	Dca
0813 017	7 x 2,5	11.6	168.0	246	Dca
0813 091	8 x 2,5	12.7	192.0	293	Dca
0813 092	10 x 2,5	15.2	240.0	359	Dca
0813 093	12 x 2,5	15.7	288.0	417	Dca
0813 012	14 x 2,5	16.5	336.0	476	Dca
0813 094	16 x 2,5	17.4	384.0	542	Eca
0813 095	20 x 2,5	19.7	480.0	698	Eca
0813 096	21 x 2,5	19.7	504.0	712	Eca
0813 097	25 x 2,5	22.4	600.0	857	Eca

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0813 098	32 x 2,5	24.6	768.0	1078	Eca
0813 099	37 x 2,5	25.5	888.0	1201	Eca
0813 100	40 x 2,5	26.5	960.0	1300	Eca
0813 101	42 x 2,5	27.5	1008	1387	Eca
0813 102	50 x 2,5	30.0	1200	1616	Eca
0813 103	56 x 2,5	31.0	1344	1768	Eca
0813 104	61 x 2,5	32.1	1464	1921	Eca
0813 105	65 x 2,5	33.1	1560	2047	Eca
0813 106	75 x 2,5	35.8	1800	2333	Eca
0813 107	80 x 2,5	36.6	1920	2475	Eca
0813 108	100 x 2,5	40.7	2400	3107	Eca
0813 013	2 x 4	9.6	76.8	127	Eca
0813 109	3 x 4	10.4	115.2	177	Eca
0813 110	4 x 4	11.4	153.6	225	Eca
0813 111	5 x 4	12.7	192.0	289	Eca
0813 112	7 x 4	13.8	268.8	372	Eca
0813 113	3 x 6	11.6	172.8	238	Eca
0813 114	4 x 6	12.9	230.4	311	Eca
0813 115	5 x 6	14.4	288.0	400	Eca
0813 116	7 x 6	15.8	403.2	518	Eca
0813 117	3 x 10	14.6	288.0	396	Eca
0813 118	4 x 10	16.0	384.0	509	Eca
0813 119	5 x 10	17.7	480.0	644	Eca
0813 120	7 x 10	19.8	672.0	864	Eca
0813 121	3 x 16	16.9	460.8	580	Eca
0813 122	4 x 16	19.1	614.4	772	Eca
0813 123	5 x 16	21.0	768.0	976	Eca
0813 124	7 x 16	23.4	1075	1309	Eca
0813 125	3 x 25	20.7	720.0	872	Eca
0813 126	4 x 25	23.3	960.0	1155	Eca
0813 127	5 x 25	25.7	1200	1463	Eca
0813 128	3 x 35	23.6	1008	1176	Eca
0813 129	4 x 35	26.0	1344	1528	Eca
0813 130	5 x 35	28.8	1680	1938	Eca
0813 131	3 x 50	28.9	1440	1691	Eca
0813 132	4 x 50	32.2	1920	2222	Eca
0813 133	5 x 50	35.7	2400	2830	Eca

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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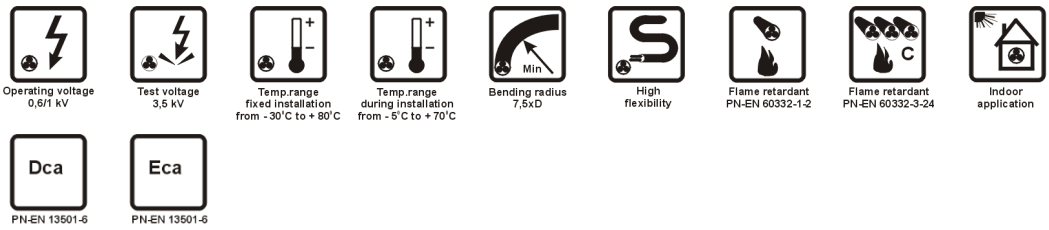
TECHNOKONTROL YnKSLY-P 0,6/1 kV, TECHNOKONTROL YnKSLY-P-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YnKSLY-P 0,6/1 kV and **TECHNOKONTROL YnKSLY-P-Nr 0,6/1 kV** are multipair flexible, flame retardant cables designed for control, protection and monitoring systems or power supply, all in power engineering.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YnKSLY-P 0,6/1 kV** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YnKSLY-P-Nr 0,6/1 kV** cable,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLY-P-O 0,6/1 kV and **TECHNOKONTROL YnKSLY-P-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLY-P 0,6/1 kV and **TECHNOKONTROL YnvKSLY-P-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLH-P 0,6/1 kV and **TECHNOKONTROL HKSLH-P-Nr 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-17
CPR – class reaction on fire	Dca-s3,d0 ; Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
1087 003	2 x 2 x 0,5	9.0	19.2	82	Dca
1087 016	3 x 2 x 0,5	9.6	28.8	95	Dca
1087 004	4 x 2 x 0,5	10.7	38.4	122	Dca
1087 017	5 x 2 x 0,5	11.8	48.0	145	Dca
1087 018	6 x 2 x 0,5	13.1	57.6	175	Dca
1087 019	7 x 2 x 0,5	13.1	67.2	193	Eca
1087 010	8 x 2 x 0,5	13.9	76.8	215	Eca
1087 020	10 x 2 x 0,5	16.0	96.0	269	Eca
1087 011	12 x 2 x 0,5	16.8	115.2	309	Eca
1087 002	14 x 2 x 0,5	17.9	134.4	351	Eca
1087 021	16 x 2 x 0,5	19.4	153.6	413	Eca
1087 022	18 x 2 x 0,5	20.4	172.8	455	Eca
1087 012	20 x 2 x 0,5	21.4	192.0	497	Eca
1087 013	24 x 2 x 0,5	23.5	230.4	604	Eca
1087 009	2 x 2 x 0,75	9.7	28.8	96	Dca
1087 023	3 x 2 x 0,75	10.4	43.2	118	Dca
1087 024	4 x 2 x 0,75	11.5	57.6	146	Dca
1087 025	5 x 2 x 0,75	12.8	72.0	181	Dca
1087 026	7 x 2 x 0,75	14.0	100.8	233	Eca
1087 027	10 x 2 x 0,75	17.2	144.0	327	Eca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
1087 028	12 x 2 x 0,75	18.0	172.8	376	Eca
1087 029	14 x 2 x 0,75	19.7	201.6	449	Eca
1087 030	16 x 2 x 0,75	20.8	230.4	503	Eca
1087 031	18 x 2 x 0,75	21.9	259.2	556	Eca
1087 007	2 x 2 x 1,0	10.5	38.4	119	Dca
1087 032	3 x 2 x 1,0	11.1	57.6	138	Dca
1087 005	4 x 2 x 1,0	12.4	76.8	178	Dca
1087 006	5 x 2 x 1,0	13.7	96.0	214	Dca
1087 033	7 x 2 x 1,0	15.1	134.4	285	Dca
1087 034	10 x 2 x 1,0	18.3	192.0	389	Eca
1087 035	12 x 2 x 1,0	19.6	230.4	470	Eca
1087 036	14 x 2 x 1,0	21.0	268.8	537	Eca
1087 014	16 x 2 x 1,0	22.2	307.2	602	Eca
1087 037	18 x 2 x 1,0	23.8	345.6	690	Eca
1087 038	2 x 2 x 1,5	11.4	57.6	148	Dca
1087 039	3 x 2 x 1,5	12.3	86.4	180	Dca
1087 040	4 x 2 x 1,5	13.5	115.2	224	Dca
1087 041	5 x 2 x 1,5	15.1	144.0	278	Dca
1087 042	7 x 2 x 1,5	16.5	201.6	363	Dca
1087 043	10 x 2 x 1,5	20.5	288.0	520	Dca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
1087 001	12 x 2 x 1,5	21.4	345.6	602	Eca
1087 044	14 x 2 x 1,5	23.3	403.2	712	Eca
1087 015	16 x 2 x 1,5	24.7	460.8	797	Eca
1087 045	2 x 2 x 2,5	13.0	96.0	201	Dca
1087 046	3 x 2 x 2,5	13.8	144.0	241	Dca
1087 047	4 x 2 x 2,5	15.5	192.0	312	Dca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
1087 048	5 x 2 x 2,5	17.1	240.0	377	Dca
1087 049	7 x 2 x 2,5	19.1	336.0	517	Dca
1087 050	10 x 2 x 2,5	23.6	480.0	737	Dca
1087 051	12 x 2 x 2,5	24.7	576.0	853	Eca
1087 052	14 x 2 x 2,5	26.5	672.0	978	Eca
1087 053	16 x 2 x 2,5	28.1	768.0	1102	Eca

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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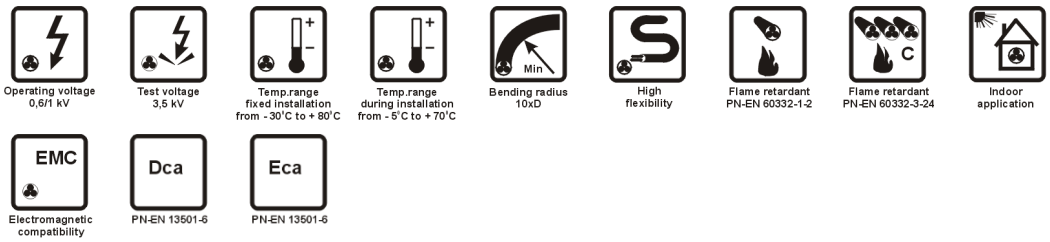
TECHNOKONTROL YnKSLYekw-Nr 0,6/1 kV, TECHNOKONTROL YnKSLYekwżo-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YnKSLYekw-Nr 0,6/1 kV and **TECHNOKONTROL YnKSLYekwżo-Nr 0,6/1 kV** are flexible, overall shielded, flame retardant cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YnKSLYekwżo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLYekw-Nr-O 0,6/1 kV and **TECHNOKONTROL YnKSLYekwżo-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLYekw-Nr 0,6/1 kV and **TECHNOKONTROL YnvKSLYekwżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5	4.0	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-15
CPR – class reaction on fire	Dca-s3,d1 ; Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0536 060	2 x 0,5	6.2	12.0	46	Dca
0536 002	3 x 0,5	6.5	16.8	56	Dca
0536 061	4 x 0,5	7.0	21.6	68	Dca
0536 008	5 x 0,5	7.7	26.4	83	Dca
0536 062	6 x 0,5	8.3	31.2	98	Dca
0536 063	7 x 0,5	8.3	36.0	101	Dca
0536 064	8 x 0,5	8.9	40.8	116	Dca
0536 044	10 x 0,5	10.6	50.4	142	Dca
0536 065	12 x 0,5	10.9	60.0	161	Dca
0536 066	14 x 0,5	11.5	69.6	182	Dca
0536 067	16 x 0,5	12.3	79.2	212	Dca
0536 068	20 x 0,5	13.6	98.4	261	Dca
0536 069	21 x 0,5	13.6	103.2	264	Dca
0536 070	25 x 0,5	15.6	122.4	326	Dca
0536 071	32 x 0,5	16.8	156.0	391	Dca
0536 072	37 x 0,5	17.4	180.0	430	Dca
0536 073	42 x 0,5	19.1	204.0	516	Eca
0536 074	50 x 0,5	20.8	242.4	596	Eca
0536 075	56 x 0,5	21.4	271.2	643	Eca
0536 076	61 x 0,5	22.1	295.2	689	Eca
0536 006	2 x 0,75	6.5	19.2	55	Dca
0536 034	3 x 0,75	6.9	26.4	68	Dca
0536 020	4 x 0,75	7.5	33.6	82	Dca
0536 077	5 x 0,75	8.1	40.8	100	Dca
0536 038	6 x 0,75	8.8	48.0	118	Dca

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0536 054	7 x 0,75	8.8	55.2	122	Dca
0536 078	8 x 0,75	9.5	62.4	141	Dca
0536 079	10 x 0,75	11.3	76.8	173	Dca
0536 039	12 x 0,75	11.7	91.2	197	Dca
0536 029	14 x 0,75	12.5	105.6	229	Dca
0536 080	16 x 0,75	13.2	120.0	259	Dca
0536 040	20 x 0,75	14.8	148.8	328	Dca
0536 057	21 x 0,75	14.8	156.0	332	Dca
0536 081	25 x 0,75	16.7	184.8	399	Dca
0536 082	32 x 0,75	18.0	235.2	482	Dca
0536 083	37 x 0,75	19.1	271.2	550	Dca
0536 084	42 x 0,75	20.5	307.2	635	Dca
0536 085	50 x 0,75	22.3	364.8	734	Eca
0536 001	2 x 1,0	6.9	24.0	62	Dca
0536 004	3 x 1,0	7.3	33.6	78	Dca
0536 017	4 x 1,0	7.9	43.2	95	Dca
0536 013	5 x 1,0	8.6	52.8	116	Dca
0536 086	6 x 1,0	9.4	62.4	138	Dca
0536 009	7 x 1,0	9.4	72.0	144	Dca
0536 045	8 x 1,0	10.3	81.6	172	Dca
0536 015	10 x 1,0	12.3	100.8	211	Dca
0536 010	12 x 1,0	12.6	120.0	240	Dca
0536 003	14 x 1,0	13.3	139.2	272	Dca
0536 018	16 x 1,0	14.0	158.4	308	Dca
0536 027	20 x 1,0	15.7	196.8	390	Dca

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0536 022	21 x 1,0	15.7	206.4	395	Dca
0536 087	25 x 1,0	17.8	244.8	476	Dca
0536 088	32 x 1,0	19.6	312.0	597	Dca
0536 089	37 x 1,0	20.3	360.0	660	Dca
0536 090	42 x 1,0	21.9	408.0	763	Dca
0536 091	50 x 1,0	24.3	484.8	908	Eca
0536 021	2 x 1,5	7.4	36.0	77	Dca
0536 024	3 x 1,5	7.8	50.4	97	Dca
0536 007	4 x 1,5	8.6	64.8	120	Dca
0536 023	5 x 1,5	9.4	79.2	147	Dca
0536 052	6 x 1,5	10.4	93.6	180	Dca
0536 005	7 x 1,5	10.4	108.0	189	Dca
0536 053	8 x 1,5	11.2	122.4	219	Dca
0536 048	10 x 1,5	13.3	151.2	267	Dca
0536 030	12 x 1,5	13.8	180.0	307	Dca
0536 012	14 x 1,5	14.7	208.8	356	Dca
0536 037	16 x 1,5	15.5	237.6	404	Dca
0536 056	20 x 1,5	17.1	295.2	501	Dca
0536 092	21 x 1,5	17.1	309.6	510	Dca
0536 093	25 x 1,5	19.9	367.2	633	Dca
0536 094	32 x 1,5	21.4	468.0	771	Dca
0536 095	37 x 1,5	22.2	540.0	855	Dca
0536 096	42 x 1,5	24.3	612.0	1011	Dca
0536 097	50 x 1,5	26.5	727.2	1174	Dca
0536 036	2 x 2,5	8.3	55.2	98	Dca
0536 047	3 x 2,5	8.8	79.2	127	Dca
0536 019	4 x 2,5	9.6	103.2	158	Dca
0536 014	5 x 2,5	10.7	127.2	202	Dca
0536 098	6 x 2,5	11.7	151.2	241	Dca
0536 031	7 x 2,5	11.7	175.2	255	Dca
0536 058	8 x 2,5	12.8	199.2	303	Dca
0536 049	10 x 2,5	15.3	247.2	370	Dca

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0536 032	12 x 2,5	15.8	295.2	427	Dca
0536 099	14 x 2,5	16.6	343.2	487	Dca
0536 100	16 x 2,5	17.5	391.2	553	Dca
0536 101	20 x 2,5	19.8	487.2	709	Dca
0536 102	21 x 2,5	19.8	511.2	723	Dca
0536 103	25 x 2,5	22.5	607.2	869	Dca
0536 104	2 x 4	9.7	86.4	138	Eca
0536 105	3 x 4	10.5	124.8	189	Eca
0536 025	4 x 4	11.5	163.2	237	Eca
0536 016	5 x 4	12.8	201.6	301	Eca
0536 106	7 x 4	13.9	278.4	384	Eca
0536 107	3 x 6	11.7	182.4	250	Eca
0536 108	4 x 6	13.0	240.0	323	Eca
0536 059	5 x 6	14.5	297.6	412	Eca
0536 109	7 x 6	15.9	412.8	530	Eca
0536 110	3 x 10	14.7	297.6	409	Eca
0536 111	4 x 10	16.1	393.6	522	Eca
0536 112	5 x 10	17.8	489.6	657	Eca
0536 113	7 x 10	19.9	681.6	877	Eca
0536 114	3 x 16	17.0	475.2	598	Eca
0536 115	4 x 16	19.2	628.8	790	Eca
0536 116	5 x 16	21.1	782.4	994	Eca
0536 117	7 x 16	23.5	1090	1327	Eca
0536 118	3 x 25	20.8	734.4	890	Eca
0536 119	4 x 25	23.4	974.4	1174	Eca
0536 120	5 x 25	25.8	1214	1482	Eca
0536 121	3 x 35	23.7	1022	1195	Eca
0536 122	4 x 35	26.1	1358	1547	Eca
0536 123	5 x 35	28.9	1694	1959	Eca
0536 124	3 x 50	29.0	1464	1719	Eca
0536 125	4 x 50	32.3	1944	2251	Eca
0536 126	5 x 50	35.8	2424	2860	Eca

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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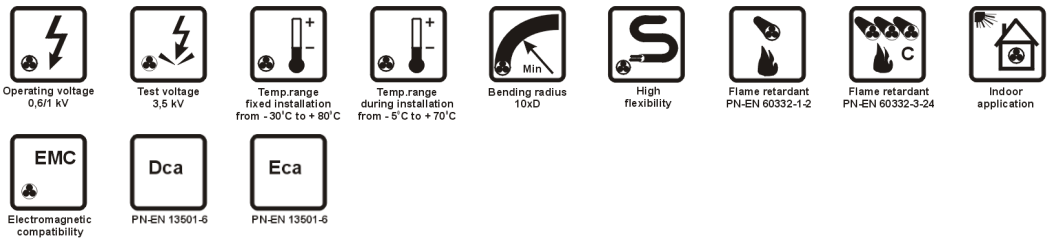
TECHNOKONTROL YnKSLYekw-P 0,6/1 kV, TECHNOKONTROL YnKSLYekw-P-Nr 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YKSLYekw-P 0,6/1 kV and **TECHNOKONTROL YKSLYekw-P-Nr 0,6/1 kV** are multipair flexible, overall shielded cables designed for control, protection and monitoring systems or power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables are designed to offer high flexibility combined with tensile strength.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLYekw-P 0,6/1 kV** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLYekw-P-Nr 0,6/1 kV** cable,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-P-O 0,6/1 kV and **TECHNOKONTROL YKSLYekw-P-Nr-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

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CHARACTERISTIC

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-17
CPR – class reaction on fire	Dca-s3,d1 ; Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm^2	mm	kg/km	kg/km	
0537 002	2 x 2 x 0,5	9.1	21.6	87	Dca
0537 023	3 x 2 x 0,5	9.7	31.2	100	Dca
0537 019	4 x 2 x 0,5	10.8	40.8	127	Dca
0537 034	5 x 2 x 0,5	11.9	50.4	151	Dca
0537 003	6 x 2 x 0,5	13.2	60.0	181	Dca
0537 035	7 x 2 x 0,5	13.2	69.6	199	Dca
0537 004	8 x 2 x 0,5	14.0	79.2	221	Dca
0537 020	10 x 2 x 0,5	16.1	98.4	276	Dca
0537 005	12 x 2 x 0,5	16.9	117.6	316	Dca
0537 021	14 x 2 x 0,5	18.0	136.8	358	Dca
0537 018	16 x 2 x 0,5	19.5	156.0	420	Dca
0537 036	18 x 2 x 0,5	20.5	175.2	463	Dca
0537 037	20 x 2 x 0,5	21.5	194.4	506	Dca
0537 032	24 x 2 x 0,5	23.6	232.8	612	Eca
0537 007	2 x 2 x 0,75	10.0	33.6	108	Dca
0537 024	3 x 2 x 0,75	10.5	48.0	125	Dca
0537 008	4 x 2 x 0,75	11.6	62.4	154	Dca
0537 025	5 x 2 x 0,75	12.9	76.8	188	Dca
0537 038	7 x 2 x 0,75	14.1	105.6	241	Dca
0537 026	10 x 2 x 0,75	17.3	148.8	336	Dca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm^2	mm	kg/km	kg/km	
0537 010	12 x 2 x 0,75	18.1	177.6	386	Dca
0537 027	14 x 2 x 0,75	19.8	206.4	459	Dca
0537 011	16 x 2 x 0,75	20.9	235.2	513	Dca
0537 039	24 x 2 x 0,75	25.4	350.4	747	Dca
0537 001	2 x 2 x 1,0	10.6	43.2	126	Dca
0537 017	3 x 2 x 1,0	11.2	62.4	146	Dca
0537 013	4 x 2 x 1,0	12.5	81.6	186	Dca
0537 040	5 x 2 x 1,0	13.8	100.8	222	Dca
0537 015	7 x 2 x 1,0	15.2	139.2	293	Dca
0537 041	10 x 2 x 1,0	18.8	196.8	417	Dca
0537 014	12 x 2 x 1,0	19.7	235.2	480	Dca
0537 016	14 x 2 x 1,0	21.1	273.6	547	Dca
0537 042	16 x 2 x 1,0	22.3	312.0	612	Dca
0537 043	18 x 2 x 1,0	23.9	350.4	701	Dca
0537 033	2 x 2 x 1,5	11.5	64.8	157	Dca
0537 044	3 x 2 x 1,5	12.4	93.6	189	Dca
0537 012	4 x 2 x 1,5	13.6	122.4	234	Dca
0537 045	5 x 2 x 1,5	15.2	151.2	288	Dca
0537 046	7 x 2 x 1,5	16.6	208.8	374	Dca
0537 047	10 x 2 x 1,5	20.6	295.2	532	Dca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0537 048	12 x 2 x 1,5	21.5	352.8	615	Dca
0537 049	14 x 2 x 1,5	23.4	410.4	725	Dca
0537 050	16 x 2 x 1,5	24.8	468.0	810	Dca
0537 051	2 x 2 x 2,5	13.1	103.2	211	Dca
0537 052	3 x 2 x 2,5	13.9	151.2	251	Dca
0537 053	4 x 2 x 2,5	15.6	199.2	323	Dca

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Class reaction to fire
	mm²	mm	kg/km	kg/km	
0537 054	5 x 2 x 2,5	17.2	247.2	388	Dca
0537 055	7 x 2 x 2,5	19.2	343.2	529	Dca
0537 056	10 x 2 x 2,5	23.7	487.2	750	Dca
0537 057	12 x 2 x 2,5	24.8	583.2	866	Dca
0537 058	14 x 2 x 2,5	26.6	679.2	992	Dca
0537 059	16 x 2 x 2,5	28.2	775.2	1116	Dca

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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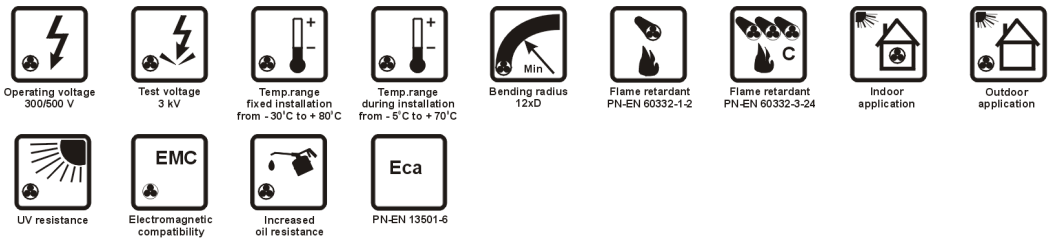
TECHNOKONTROL KS-Y(St)Y-Nr-O (9) 300/500 V, TECHNOKONTROL KS-Y(St)Yżo-Nr-O (9) 300/500 V



APPLICATIONS

TECHNOKONTROL KS-Y(St)Y-Nr-O (9) 300/500 V and **TECHNOKONTROL KS-Y(St)Yżo-Nr-O (9) 300/500 V** are overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for fixed indoor and outdoor installations.

CONSTRUCTION

- bare annealed copper single wire round conductors, meeting requirements of class 1 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification, additional green-yellow protective conductor located in the outer layer in **TECHNOKONTROL KS-Y(St)Yżo-Nr-O (9) 300/500 V** cable,
- insulated conductors laid-up in a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005, other colours also available.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5	4.0
DC conductor resistance at 20°C, maximum	Ω/km	36.0	24.5	18.1	12.1	7.41	4.61
Capacitance between conductors at 1 kHz, appr.	nF/km	160	170	180	180	200	210

Operating voltage Uo/U	300/500 V
Voltage test	3.0 kV rms
Inductance, approximate	0.7 mH/km
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	12 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24
Oil resistance	PN-EN 60811-404
Referance standards	DT 104/01/07
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	mm	kg/km
0980 003	2 x 0,5	6.2	14.4	57
0980 004	3 x 0,5	6.4	19.2	64
0980 005	4 x 0,5	6.9	24.0	74
0980 006	5 x 0,5	7.3	28.8	85
0980 007	7 x 0,5	7.8	38.4	100
0980 008	10 x 0,5	9.4	53.0	131
0980 009	14 x 0,5	10.1	72.0	162
0980 010	19 x 0,5	11.0	96.0	205
0980 011	24 x 0,5	12.6	120.0	250
0980 012	27 x 0,5	12.8	134.0	270
0980 013	30 x 0,5	13.3	149.0	295
0980 014	36 x 0,5	14.2	178.0	345
0980 015	2 x 0,75	6.6	21.6	69
0980 016	3 x 0,75	6.8	28.8	78
0980 017	4 x 0,75	7.3	36.0	91
0980 018	5 x 0,75	7.8	43.2	105
0980 019	7 x 0,75	8.3	58.0	126
0980 020	10 x 0,75	10.1	79.0	166
0980 021	14 x 0,75	10.9	108.0	210
0980 022	19 x 0,75	11.9	144.0	265
0980 023	24 x 0,75	13.7	180.0	325
0980 024	27 x 0,75	14.0	202.0	355
0980 025	30 x 0,75	14.4	223.0	385
0980 026	36 x 0,75	15.5	266.0	455

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	mm	kg/km
0980 001	2 x 1	6.9	28.8	80
0980 027	3 x 1	7.2	38.4	91
0980 028	4 x 1	7.7	48.0	106
0980 029	5 x 1	8.2	58.0	124
0980 030	7 x 1	8.8	77.0	150
0980 031	10 x 1	10.7	106.0	199
0980 032	14 x 1	11.5	144.0	255
0980 033	19 x 1	12.7	192.0	320
0980 034	24 x 1	14.6	240.0	395
0980 035	27 x 1	14.9	269.0	435
0980 036	30 x 1	15.4	298.0	470
0980 037	36 x 1	16.5	355.0	555
0980 038	2 x 1,5	7.8	43.2	106
0980 039	3 x 1,5	8.1	58.0	124
0980 040	4 x 1,5	8.7	72.0	146
0980 002	5 x 1,5	9.4	86.0	171
0980 041	7 x 1,5	10.1	115.0	210
0980 042	10 x 1,5	12.5	158.0	280
0980 043	14 x 1,5	13.5	216.0	360
0980 044	19 x 1,5	14.9	288.0	460
0980 045	24 x 1,5	17.3	360.0	565
0980 046	27 x 1,5	17.6	403.0	620
0980 047	30 x 1,5	18.7	446.0	695
0980 048	2 x 2,5	8.6	72.0	146

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	mm	kg/km
0980 049	3 x 2,5	9.0	96.0	172
0980 050	4 x 2,5	9.7	120.0	210
0980 051	5 x 2,5	10.5	144.0	245
0980 052	7 x 2,5	11.3	192.0	300
0980 053	10 x 2,5	14.1	264.0	405
0980 054	14 x 2,5	15.3	360.0	525
0980 055	19 x 2,5	16.9	480.0	675

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	mm	kg/km
0980 056	2 x 4	9.9	115.0	215
0980 057	3 x 4	10.5	154.0	255
0980 058	4 x 4	11.4	192.0	305
0980 059	5 x 4	12.3	230.0	365
0980 060	7 x 4	13.4	307.0	455
0980 061	10 x 4	16.8	422.0	615
0980 062	14 x 4	18.7	576.0	815

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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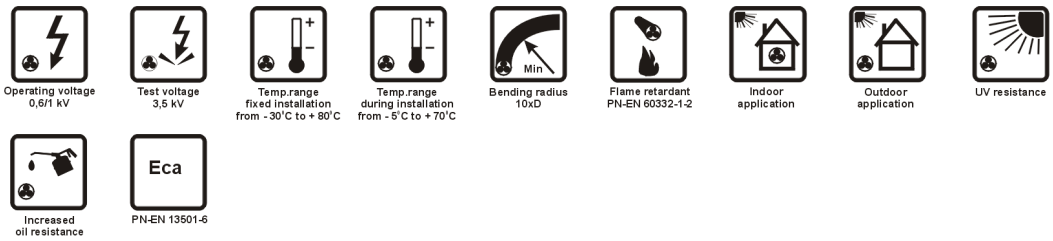
TECHNOKONTROL YSLY-Nr-O (9) 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YSLY-Nr-O (9) 0,6/1 kV are cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for fixed indoor and outdoor installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in a cable core,
- oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YSLYv-Nr-O (9) 0,6/1 kV - cables with enhanced PVC sheath, suitable for direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC conductor resistance at 20°C, maximum	Ω/km	36.0	24.5	18.1	12.1	7.41
Capacitance between conductors at 1 kHz, appr.	nF/km	100	110	120	130	140

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Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0,7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Oil resistance	PN-EN 60811-404
Referance standards	DT 107/02/07
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0995 003	2 x 0,5	6.0	9.6	51
0995 004	3 x 0,5	6.3	14.4	60
0995 005	4 x 0,5	6.9	19.2	72
0995 006	5 x 0,5	7.5	24.0	87
0995 007	6 x 0,5	8.1	28.8	102
0995 008	7 x 0,5	8.1	33.6	105
0995 009	8 x 0,5	8.8	38.4	122
0995 010	10 x 0,5	10.5	48.0	154
0995 011	12 x 0,5	10.8	57.6	172
0995 012	14 x 0,5	11.4	67.2	194
0995 013	16 x 0,5	12.2	76.8	224
0995 014	18 x 0,5	12.8	86.4	249
0995 015	19 x 0,5	12.8	91.2	253
0995 016	21 x 0,5	13.5	100.8	279
0995 017	24 x 0,5	15.2	115.2	324
0995 018	27 x 0,5	15.5	129.6	352
0995 019	30 x 0,5	16.1	144.0	384
0995 020	36 x 0,5	17.3	172.8	453
0995 021	37 x 0,5	17.3	177.6	456
0995 022	40 x 0,5	18.0	192.0	493
0995 023	44 x 0,5	19.9	211.2	558
0995 024	48 x 0,5	20.2	230.4	596
0995 025	52 x 0,5	20.8	249.6	638
0995 026	56 x 0,5	21.4	268.8	682
0995 027	60 x 0,5	22.0	288.0	727
0995 028	2 x 0,75	6.4	14.4	61
0995 029	3 x 0,75	6.7	21.6	71

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0995 030	4 x 0,75	7.3	28.8	85
0995 031	5 x 0,75	8.0	36.0	104
0995 032	6 x 0,75	8.7	43.2	124
0995 033	7 x 0,75	8.7	50.4	128
0995 034	8 x 0,75	9.4	57.6	149
0995 035	10 x 0,75	11.2	72.0	187
0995 036	12 x 0,75	11.6	86.4	211
0995 037	14 x 0,75	12.4	100.8	243
0995 038	16 x 0,75	13.1	115.2	275
0995 039	18 x 0,75	13.8	129.6	307
0995 040	19 x 0,75	13.8	136.8	312
0995 041	21 x 0,75	14.7	151.2	351
0995 042	24 x 0,75	16.3	172.8	398
0995 043	27 x 0,75	16.7	194.4	435
0995 044	30 x 0,75	17.3	216.0	475
0995 045	36 x 0,75	19.0	259.2	579
0995 046	37 x 0,75	19.0	266.4	584
0995 047	40 x 0,75	19.7	288.0	630
0995 048	44 x 0,75	21.4	316.8	691
0995 049	48 x 0,75	21.7	345.6	740
0995 050	52 x 0,75	22.3	374.4	792
0995 051	56 x 0,75	23.4	403.2	870
0995 052	60 x 0,75	24.1	432.0	928
0995 001	2 x 1,0	6.7	19.2	69
0995 053	3 x 1,0	7.1	28.8	83
0995 054	4 x 1,0	7.8	38.4	101
0995 055	5 x 1,0	8.5	48.0	124

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0995 056	6 x 1,0	9.2	57.6	147
0995 057	7 x 1,0	9.2	67.2	153
0995 058	8 x 1,0	10.2	76.8	183
0995 059	10 x 1,0	12.2	96.0	230
0995 060	12 x 1,0	12.5	115.2	259
0995 061	14 x 1,0	13.2	134.4	293
0995 062	16 x 1,0	13.9	153.6	331
0995 063	18 x 1,0	14.9	172.8	377
0995 064	19 x 1,0	14.9	182.4	384
0995 065	21 x 1,0	15.6	201.6	424
0995 066	24 x 1,0	17.4	230.4	481
0995 067	27 x 1,0	17.8	259.2	527
0995 068	30 x 1,0	18.8	288.0	593
0995 069	36 x 1,0	20.3	345.6	703
0995 070	37 x 1,0	20.3	355.2	709
0995 071	40 x 1,0	21.1	384.0	766
0995 072	44 x 1,0	23.2	422.4	860
0995 073	48 x 1,0	23.6	460.8	922
0995 074	52 x 1,0	24.3	499.2	988
0995 075	56 x 1,0	25.0	537.6	1058
0995 076	60 x 1,0	25.7	576.0	1129
0995 077	2 x 1,5	7.3	28.8	86
0995 078	3 x 1,5	7.7	43.2	104
0995 079	4 x 1,5	8.4	57.6	127
0995 080	5 x 1,5	9.2	72.0	157
0995 081	6 x 1,5	10.3	86.4	192
0995 082	7 x 1,5	10.3	100.8	202
0995 083	8 x 1,5	11.1	115.2	234
0995 084	10 x 1,5	13.3	144.0	294
0995 085	12 x 1,5	13.7	172.8	334
0995 086	14 x 1,5	14.6	201.6	385
0995 087	16 x 1,5	15.4	230.4	435
0995 088	18 x 1,5	16.3	259.2	487
0995 089	19 x 1,5	16.3	273.6	498
0995 090	21 x 1,5	17.1	302.4	550
0995 091	24 x 1,5	19.4	345.6	642

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0995 092	27 x 1,5	19.9	388.8	705
0995 093	30 x 1,5	20.6	432.0	771
0995 094	36 x 1,5	22.2	518.4	915
0995 095	37 x 1,5	22.2	532.8	925
0995 096	40 x 1,5	23.5	576.0	1022
0995 097	44 x 1,5	25.4	633.6	1120
0995 098	48 x 1,5	25.9	691.2	1204
0995 099	52 x 1,5	26.6	748.8	1291
0995 100	56 x 1,5	27.4	806.4	1384
0995 101	60 x 1,5	28.2	864.0	1478
0995 102	2 x 2,5	8.1	48.0	114
0995 103	3 x 2,5	8.6	72.0	142
0995 104	4 x 2,5	9.5	96.0	176
0995 105	5 x 2,5	10.6	120.0	222
0995 106	6 x 2,5	11.5	144.0	264
0995 002	7 x 2,5	11.5	168.0	280
0995 107	8 x 2,5	12.7	192.0	331
0995 108	10 x 2,5	15.1	240.0	414
0995 109	12 x 2,5	15.6	288.0	474
0995 110	14 x 2,5	16.5	336.0	540
0995 111	16 x 2,5	17.4	384.0	612
0995 112	18 x 2,5	18.8	432.0	704
0995 113	19 x 2,5	18.8	456.0	720
0995 114	21 x 2,5	19.7	504.0	796
0995 115	24 x 2,5	22.0	576.0	905
0995 116	27 x 2,5	22.5	648.0	997
0995 117	30 x 2,5	23.7	720.0	1114
0995 118	36 x 2,5	25.6	864.0	1325
0995 119	37 x 2,5	25.6	888.0	1341
0995 120	40 x 2,5	26.6	960.0	1450
0995 121	44 x 2,5	28.8	1056	1590
0995 122	48 x 2,5	29.3	1152	1712
0995 123	52 x 2,5	30.1	1248	1839
0995 124	56 x 2,5	31.0	1344	1973
0995 125	60 x 2,5	32.2	1440	2126

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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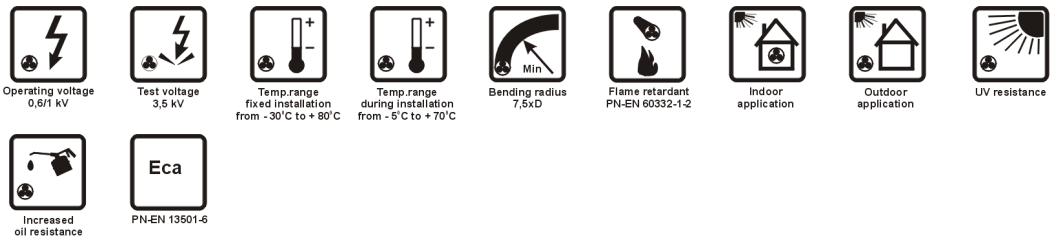
TECHNOKONTROL YSLY-P-Nr-O (9) 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YSLY-P-Nr-O (9) 0,6/1 kV are multipair cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables are designed to offer high flexibility combined with tensile strength.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for fixed indoor and outdoor installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- PVC insulation, identification of pairs:
  - ”a” wire – black insulation and white pair number printed on it,
  - ”b” wire – white insulation and black pair number printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YSLYv-P-Nr-O (9) 0,6/1 kV - cables with enhanced PVC sheath, suitable for direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	73.4	50.0	36.9	24.7	15.12
Capacitance between conductors at 1 kHz, appr.	nF/km	100	110	120	130	140

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Oil resistance	PN-EN 60811-404
Referance standards	DT 107/02/07
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1709 001	2 x 2 x 0,5	10.1	19.2	128
1709 002	3 x 2 x 0,5	10.6	28.8	158
1709 003	4 x 2 x 0,5	11.6	38.4	182
1709 004	5 x 2 x 0,5	12.7	48.0	209
1709 005	6 x 2 x 0,5	13.7	57.6	243
1709 006	7 x 2 x 0,5	13.7	67.2	253
1709 007	8 x 2 x 0,5	14.6	76.8	277
1709 008	10 x 2 x 0,5	16.5	96.0	335
1 709 009	12 x 2 x 0,5	17.3	115.2	377
1709 010	16 x 2 x 0,5	19.5	153.6	470
1709 011	18 x 2 x 0,5	20.5	172.8	516
1709 012	20 x 2 x 0,5	21.5	192.0	561
1709 013	25 x 2 x 0,5	24.1	240.0	701
1709 014	30 x 2 x 0,5	26.1	288.0	810
1709 015	40 x 2 x 0,5	30.1	384.0	1060
1709 016	50 x 2 x 0,5	33.2	480.0	1279
1709 017	2 x 2 x 0,75	10.7	28.8	147
1709 018	3 x 2 x 0,75	11.3	43.2	187
1709 019	4 x 2 x 0,75	12.4	57.6	217
1709 020	5 x 2 x 0,75	13.5	72.0	248
1709 021	6 x 2 x 0,75	14.7	86.4	292
1709 022	7 x 2 x 0,75	14.7	100.8	305
1709 023	8 x 2 x 0,75	15.6	115.2	335
1709 024	10 x 2 x 0,75	17.7	144.0	407
1709 025	12 x 2 x 0,75	18.5	172.8	459
1709 026	16 x 2 x 0,75	21.0	230.4	577

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1709 027	20 x 2 x 0,75	23.5	288.0	712
1709 028	2 x 2 x 1,0	11.4	38.4	173
1709 029	3 x 2 x 1,0	12.0	57.6	219
1709 030	4 x 2 x 1,0	13.1	76.8	253
1709 031	5 x 2 x 1,0	14.4	96.0	293
1709 032	6 x 2 x 1,0	15.6	115.2	345
1709 033	7 x 2 x 1,0	15.6	134.4	362
1709 034	8 x 2 x 1,0	16.6	153.6	399
1709 035	10 x 2 x 1,0	18.9	192.0	486
1709 036	12 x 2 x 1,0	19.8	230.4	551
1709 037	16 x 2 x 1,0	22.4	307.2	696
1709 038	20 x 2 x 1,0	25.1	384.0	857
1709 039	2 x 2 x 1,5	12.3	57.6	213
1709 040	3 x 2 x 1,5	13.0	86.4	271
1709 041	4 x 2 x 1,5	14.2	115.2	316
1709 042	5 x 2 x 1,5	15.6	144.0	367
1709 043	6 x 2 x 1,5	17.0	172.8	435
1709 044	7 x 2 x 1,5	17.0	201.6	461
1709 045	8 x 2 x 1,5	18.2	230.4	510
1709 046	10 x 2 x 1,5	20.7	288.0	623
1709 047	12 x 2 x 1,5	21.6	345.6	709
1709 048	16 x 2 x 1,5	25.0	460.8	922
1709 049	20 x 2 x 1,5	27.5	576.0	1110
1709 050	2 x 2 x 2,5	13.7	96.0	279
1709 051	3 x 2 x 2,5	14.5	144.0	363
1709 052	4 x 2 x 2,5	16.0	192.0	431

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1709 053	5 x 2 x 2,5	17.6	240.0	503
1709 054	6 x 2 x 2,5	19.2	288.0	598
1709 055	7 x 2 x 2,5	19.2	336.0	639
1709 056	8 x 2 x 2,5	20.5	384.0	708

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1709 057	10 x 2 x 2,5	23.8	480.0	890
1709 058	12 x 2 x 2,5	24.9	576.0	1015
1709 059	16 x 2 x 2,5	28.6	768.0	1319
1709 060	20 x 2 x 2,5	31.6	960.0	1597

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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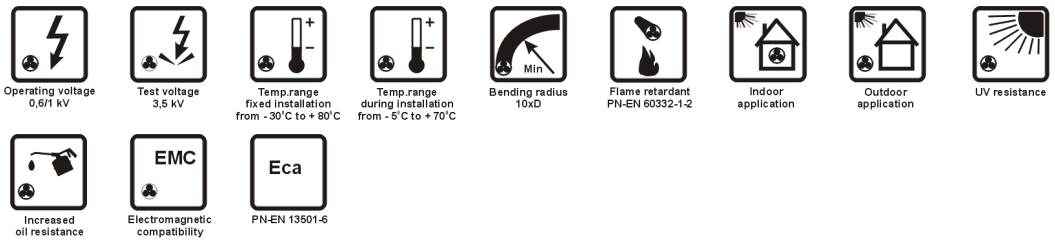
TECHNOKONTROL YSLCY-Nr-O (9) 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YSLCY-Nr-O (9) 0,6/1 kV are overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for fixed indoor and outdoor installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in a cable core,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YSLCEY-Nr-O (9) 0,6/1 kV - cables with drain wire stranded of tin-plated annealed copper wires (class 2), laid under a shield.

TECHNOKONTROL YSLCYv-Nr-O (9) 0,6/1 kV - cables with enhanced PVC sheath, suitable for direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC conductor resistance at 20°C, maximum	Ω/km	36.0	24.5	18.1	12.1	7.41
Capacitance between conductors at 1 kHz, appr.	nF/km	120	130	140	150	170

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Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Oil resistance	PN-EN 60811-404
Referance standards	DT 107/02/07
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0994 004	1 x 0,5	4.3	9.6	29
0994 005	2 x 0,5	6.5	19.3	52
0994 006	3 x 0,5	6.8	24.2	63
0994 007	4 x 0,5	7.4	30.2	76
0994 008	5 x 0,5	8.0	36.2	92
0994 009	6 x 0,5	8.7	46.2	112
0994 010	7 x 0,5	8.7	51.0	116
0994 011	8 x 0,5	9.4	57.6	134
0994 012	10 x 0,5	11.1	71.1	164
0994 013	12 x 0,5	11.4	82.0	185
0994 014	14 x 0,5	12.2	92.6	213
0994 015	16 x 0,5	12.8	103.9	240
0994 016	18 x 0,5	13.4	114.9	266
0994 017	19 x 0,5	13.4	119.7	269
0994 018	21 x 0,5	14.1	131.1	297
0994 019	24 x 0,5	15.9	156.4	347
0994 020	27 x 0,5	16.2	171.7	377
0994 021	30 x 0,5	16.8	187.9	410
0994 022	36 x 0,5	18.0	220.7	483
0994 023	37 x 0,5	18.0	225.5	486
0994 024	40 x 0,5	19.1	241.9	541
0994 025	41 x 0,5	19.7	248.5	574
0994 026	1 x 0,75	4.5	12.6	33
0994 027	2 x 0,75	6.9	24.4	59
0994 028	3 x 0,75	7.2	32.2	73
0994 029	4 x 0,75	7.8	40.6	90

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0994 030	5 x 0,75	8.6	53.1	113
0994 031	6 x 0,75	9.3	62.2	134
0994 032	7 x 0,75	9.3	69.4	139
0994 033	8 x 0,75	10.2	78.3	165
0994 034	10 x 0,75	11.8	96.9	196
0994 035	12 x 0,75	12.4	112.3	228
0994 036	14 x 0,75	13.0	128.3	257
0994 037	16 x 0,75	13.7	144.5	290
0994 038	18 x 0,75	14.6	160.7	330
0994 039	19 x 0,75	14.6	167.9	335
0994 040	21 x 0,75	15.4	190.8	376
0994 041	24 x 0,75	17.0	217.4	421
0994 042	27 x 0,75	17.4	240.3	461
0994 043	30 x 0,75	18.0	263.9	502
0994 044	34 x 0,75	19.7	296.5	601
0994 045	1 x 1,0	4.7	16.0	38
0994 001	2 x 1,0	7.2	29.8	67
0994 046	3 x 1,0	7.6	40.2	85
0994 047	4 x 1,0	8.4	55.0	109
0994 048	5 x 1,0	9.1	67.0	133
0994 049	6 x 1,0	10.0	77.8	161
0994 050	7 x 1,0	10.0	87.4	168
0994 051	8 x 1,0	10.8	99.1	194
0994 052	10 x 1,0	12.8	123.1	238
0994 053	12 x 1,0	13.1	142.9	270
0994 054	14 x 1,0	13.8	164.0	306

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0994 055	16 x 1,0	14.7	185.0	352
0994 056	18 x 1,0	15.6	213.1	400
0994 057	19 x 1,0	15.6	222.7	407
0994 058	21 x 1,0	16.3	244.0	449
0994 059	24 x 1,0	18.1	278.4	504
0994 060	27 x 1,0	18.9	308.4	570
0994 061	30 x 1,0	19.5	339.1	621
0994 062	1 x 1,5	5.0	20.8	44
0994 002	2 x 1,5	7.8	40.6	82
0994 003	3 x 1,5	8.3	59.6	109
0994 063	4 x 1,5	9.0	76.6	135
0994 064	5 x 1,5	10.0	92.2	169
0994 065	6 x 1,5	10.9	109.0	201
0994 066	7 x 1,5	10.9	123.4	212
0994 067	8 x 1,5	11.7	139.8	245
0994 068	10 x 1,5	13.9	173.8	300
0994 069	12 x 1,5	14.5	203.7	350
0994 070	14 x 1,5	15.3	241.0	404
0994 071	16 x 1,5	16.1	272.2	457

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0994 072	18 x 1,5	17.0	303.8	510
0994 073	19 x 1,5	17.0	318.2	521
0994 074	21 x 1,5	17.8	349.5	575
0994 075	24 x 1,5	20.1	398.6	665
0994 076	25 x 1,5	20.6	414.6	710
0994 077	1 x 2,5	5.4	32.1	57
0994 078	2 x 2,5	8.7	65.4	111
0994 079	3 x 2,5	9.2	91.0	145
0994 080	4 x 2,5	10.3	117.7	186
0994 081	5 x 2,5	11.2	143.4	229
0994 082	6 x 2,5	12.3	169.7	278
0994 083	7 x 2,5	12.3	193.7	295
0994 084	8 x 2,5	13.3	220.3	341
0994 085	10 x 2,5	15.8	280.9	424
0994 086	12 x 2,5	16.3	330.4	489
0994 087	14 x 2,5	17.2	381.2	558
0994 088	16 x 2,5	18.1	432.0	632
0994 089	18 x 2,5	19.5	483.1	727

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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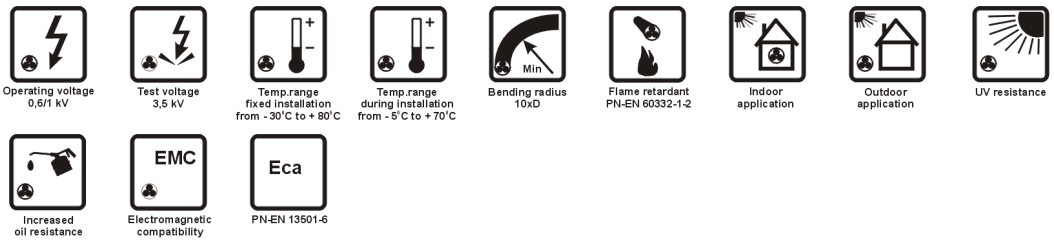
TECHNOKONTROL YSLCY-P-Nr-O (9) 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YSLCY-P-Nr-O (9) 0,6/1 kV are multipair overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

Paired structure decreases mutual influence between signals transmitted along the cable.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

The cables are designed to offer high flexibility combined with tensile strength.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for fixed indoor and outdoor installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- PVC insulation, identification of pairs:
  - ”a” wire – black insulation and white pair number printed on it,
  - ”b” wire – white insulation and black pair number printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- cable screen wrapped in polyester tape,
- oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YSLCYv-P-Nr-O (9) 0,6/1 kV - cables with enhanced PVC sheath, suitable for direct earth burial.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	73.4	50.0	36.9	24.7	15.12
Capacitance between conductors at 1 kHz, appr.	nF/km	120	120	120	130	140

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Oil resistance	PN-EN 60811-404
Referance standards	DT 107/02/07
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1710 001	2 x 2 x 0,5	10.7	39.0	129
1710 002	3 x 2 x 0,5	11.2	50.5	145
1710 003	4 x 2 x 0,5	12.2	62.0	173
1710 004	5 x 2 x 0,5	13.3	74.5	202
1710 005	6 x 2 x 0,5	14.3	86.6	231
1710 006	7 x 2 x 0,5	14.3	96.2	250
1710 007	10 x 2 x 0,5	17.2	139.7	342
1710 008	12 x 2 x 0,5	18.0	161.3	387
1710 009	14 x 2 x 0,5	19.2	184.3	436
1710 010	16 x 2 x 0,5	20.2	206.6	484
1710 011	18 x 2 x 0,5	21.2	228.8	532
1710 012	20 x 2 x 0,5	22.2	251.2	580
1710 013	24 x 2 x 0,5	24.6	318.4	720
1710 014	25 x 2 x 0,5	25.0	329.8	744
1710 015	30 x 2 x 0,5	27.2	412.4	888
1710 016	2 x 2 x 0,75	11.3	50.5	146
1710 017	3 x 2 x 0,75	11.9	66.1	168
1710 018	4 x 2 x 0,75	13.0	83.3	203
1710 019	5 x 2 x 0,75	14.1	100.5	238
1710 020	6 x 2 x 0,75	15.3	118.0	274
1710 021	7 x 2 x 0,75	15.3	132.4	298

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1710 022	10 x 2 x 0,75	18.4	191.4	409
1710 023	12 x 2 x 0,75	19.2	222.7	465
1710 024	14 x 2 x 0,75	20.5	255.5	526
1710 025	16 x 2 x 0,75	21.7	288.0	587
1710 026	18 x 2 x 0,75	23.4	342.2	692
1710 027	20 x 2 x 0,75	24.4	375.3	753
1710 028	2 x 2 x 1,0	12.0	61.5	169
1710 029	3 x 2 x 1,0	12.6	82.2	194
1710 030	4 x 2 x 1,0	13.7	104.3	234
1710 031	5 x 2 x 1,0	15.0	126.9	278
1710 032	6 x 2 x 1,0	16.3	156.1	328
1710 033	7 x 2 x 1,0	16.3	175.3	359
1710 034	10 x 2 x 1,0	19.6	243.1	484
1710 035	12 x 2 x 1,0	20.5	284.3	553
1710 036	14 x 2 x 1,0	21.9	327.0	628
1710 037	16 x 2 x 1,0	23.7	391.5	747
1710 038	18 x 2 x 1,0	24.9	435.0	822
1710 039	20 x 2 x 1,0	26.0	478.0	895
1710 040	2 x 2 x 1,5	12.9	83.0	204
1710 041	3 x 2 x 1,5	13.6	113.6	236
1710 042	4 x 2 x 1,5	14.8	145.5	290

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1710 043	5 x 2 x 1,5	16.3	184.9	352
1710 044	6 x 2 x 1,5	17.7	218.0	408
1710 045	7 x 2 x 1,5	17.7	246.8	450
1710 046	10 x 2 x 1,5	21.4	344.7	612
1710 047	12 x 2 x 1,5	22.3	405.1	703
1710 048	14 x 2 x 1,5	24.5	490.9	849
1710 049	16 x 2 x 1,5	25.9	554.4	946
1710 050	18 x 2 x 1,5	27.4	643.8	1073
1710 051	20 x 2 x 1,5	29.0	707.8	1198

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1710 052	2 x 2 x 2,5	14.3	125.0	263
1710 053	3 x 2 x 2,5	15.1	175.1	313
1710 054	4 x 2 x 2,5	16.7	234.1	396
1710 055	5 x 2 x 2,5	18.3	287.1	474
1710 056	6 x 2 x 2,5	19.9	340.0	552
1710 057	7 x 2 x 2,5	19.9	388.0	614
1710 058	10 x 2 x 2,5	24.7	568.6	890
1710 059	12 x 2 x 2,5	25.8	669.1	1021

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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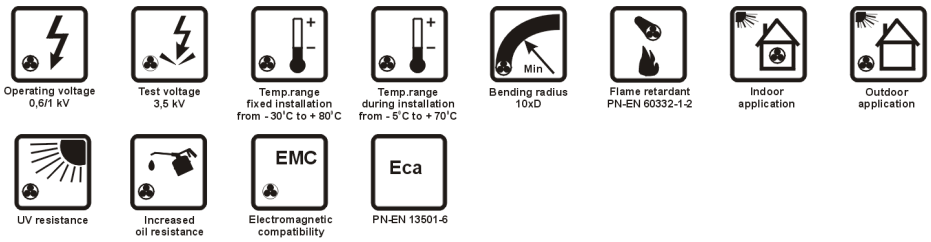
TECHNOKONTROL YSLCY-Nr-O PiMF (9) 0,6/1 kV



APPLICATIONS

TECHNOKONTROL YSLCY-Nr-O PiMF (9) 0,6/1 kV are multipair, pair and overall shielded cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for fixed indoor and outdoor installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- PVC insulation, identification of pairs:
  - ”a” wire – black insulation and white pair number printed on it,
  - ”b” wire – white insulation and black pair number printed on it,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- cable screen wrapped in polyester tape,
- oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005, other colours also available.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	73.4	50.0	36.9	24.7	15.12

Operating voltage Uo/U	0,6/1 kV
Voltage test	3.5 kV rms
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Oil resistance	PN-EN 60811-404
Referance standards	DT 107/02/07
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1857 015	2 x 2 x 0,5	11.1	44.7	156
1857 016	3 x 2 x 0,5	11.6	57.8	198
1857 017	4 x 2 x 0,5	12.6	72.0	226
1857 018	5 x 2 x 0,5	13.8	86.5	260
1857 019	6 x 2 x 0,5	14.9	101	306
1857 020	7 x 2 x 0,5	14.9	112.7	315
1857 021	10 x 2 x 0,5	17.9	163.2	426
1857 022	12 x 2 x 0,5	18.7	189.3	476
1857 023	14 x 2 x 0,5	19.9	216.2	534
1857 024	16 x 2 x 0,5	21.1	243.8	593
1857 025	18 x 2 x 0,5	22.1	272.7	650
1857 026	20 x 2 x 0,5	23.7	319.9	749
1857 027	24 x 2 x 0,5	25.6	374.8	866
1857 028	25 x 2 x 0,5	26.0	387.1	896
1857 029	30 x 2 x 0,5	28.7	482.1	1089
1857 030	2 x 2 x 0,75	11.7	55.8	178
1857 031	3 x 2 x 0,75	12.3	73.4	226
1857 002	4 x 2 x 0,75	13.4	93.1	261
1857 032	5 x 2 x 0,75	14.6	112.7	299
1857 033	6 x 2 x 0,75	15.8	132.4	355
1857 034	7 x 2 x 0,75	15.8	148.9	367
1857 035	10 x 2 x 0,75	19.1	214.7	499
1857 004	12 x 2 x 0,75	19.9	250.4	559
1857 036	14 x 2 x 0,75	21.2	287.6	629
1857 037	16 x 2 x 0,75	22.5	326.7	702

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1857 005	18 x 2 x 0,75	24.2	384.3	813
1857 038	20 x 2 x 0,75	25.3	421.9	878
1857 039	2 x 2 x 1,0	12.3	66.5	197
1857 040	3 x 2 x 1,0	13.0	90.2	258
1857 041	4 x 2 x 1,0	14.1	113.8	297
1857 042	5 x 2 x 1,0	15.5	139.2	345
1857 043	6 x 2 x 1,0	16.9	170.8	418
1857 044	7 x 2 x 1,0	16.9	192.1	434
1857 006	10 x 2 x 1,0	20.3	267.1	580
1857 012	12 x 2 x 1,0	21.2	312.2	652
1857 001	14 x 2 x 1,0	22.6	361.0	738
1857 013	16 x 2 x 1,0	24.5	429.3	866
1857 007	18 x 2 x 1,0	25.8	477.6	947
1857 045	20 x 2 x 1,0	27.1	550.8	1054
1857 046	2 x 2 x 1,5	13.2	88.1	235
1857 047	3 x 2 x 1,5	13.9	120.8	307
1857 048	4 x 2 x 1,5	15.2	155.4	361
1857 049	5 x 2 x 1,5	16.8	197.0	429
1857 050	6 x 2 x 1,5	18.2	232.7	510
1857 051	7 x 2 x 1,5	18.2	263.6	533
1857 052	10 x 2 x 1,5	22.0	370.9	721
1857 053	12 x 2 x 1,5	23.6	456.6	861
1857 054	14 x 2 x 1,5	25.2	524.3	969
1857 055	16 x 2 x 1,5	26.6	591.5	1076
1857 056	18 x 2 x 1,5	28.6	686.9	1238

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1857 057	20 x 2 x 1,5	29.9	757.2	1347
1857 058	2 x 2 x 2,5	14.7	130.4	304
1857 059	3 x 2 x 2,5	15.5	182.9	401
1857 060	4 x 2 x 2,5	17.1	244.0	485
1857 061	5 x 2 x 2,5	18.7	299.4	564

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1857 062	6 x 2 x 2,5	20.4	354.7	677
1857 063	7 x 2 x 2,5	20.4	404.8	713
1857 064	10 x 2 x 2,5	25.3	592.8	1015
1857 008	12 x 2 x 2,5	26.4	698.0	1151

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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Connecting since 1982

TECHNOFLEX
2YSLCY-J 0,6/1 kV, 2YSLCYK-J 0,6/1 kV

APPLICATIONS

2YSLCY-J 0,6/1 kV and **2YSLCYK-J 0,6/1 kV** shielded cables are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

2YSLCY-J 0,6/1 kV cables are suitable for indoor and **2YSLCYK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- polyethylene (PE) insulation - black, blue, brown and green-yellow,
- insulated conductors laid-up in a cable core,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- PVC cable sheath of **2YSLCY-J 0,6/1 kV** cable, transparent or grey RAL 7001, other colours also available,
- PVC cable sheath of **2YSLCYK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

2YSLCH-J 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	2.5 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit in work conditions	+ 70°C
Operating temperature range	
for fixed installation	from - 40 to + 80°C
for movable installation	from -5 to + 80°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter

Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	20 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2,
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm²	mm	Ω/km	A	kg/km	kg/km
			2YSLCY-J			
0580 001	4 x 1,5	9.9	13.3	18	80.2	141
0580 002	4 x 2,5	11.4	7.98	26	124.5	195
0580 003	4 x 4	13.3	4.95	34	186.5	277
0580 009	4 x 6	15.3	3.30	44	278.5	379
0580 004	4 x 10	18.4	1.91	61	442.6	595
0580 007	4 x 16	22.1	1.21	82	708.9	914
0580 006	4 x 25	25.3	0.780	108	1099	1294
0580 008	4 x 35	28.3	0.554	135	1502	1685
0580 012	4 x 50	36.3	0.386	168	2133	2496
0580 013	4 x 70	43.7	0.272	207	3003	3625
0580 014	4 x 95	48.0	0.206	250	4003	4622
0580 015	4 x 120	53.4	0.161	292	5160	5923
0580 016	4 x 150	57.9	0.129	335	6307	7019
0580 017	4 x 185	63.9	0.106	385	7764	8649
0580 018	4 x 240	73.1	0.0801	453	9927	11232
			2YSLCYK-J			
1103 003	4 x 1,5	9.9	13.3	18	80.2	145
1103 004	4 x 2,5	11.4	7.98	26	124.5	199
1103 005	4 x 4	13.3	4.95	34	186.5	283
1103 006	4 x 6	15.3	3.30	44	278.5	386
1103 001	4 x 10	18.4	1.91	61	442.6	605

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RoHS COMPLIANT CE

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
1103 007	4 x 16	22.1	1.21	82	708.9	926
1103 002	4 x 25	25.3	0.780	108	1099	1309
1103 009	4 x 35	28.3	0.554	135	1502	1703
1103 008	4 x 50	36.3	0.386	168	2133	2522
1103 010	4 x 70	43.7	0.272	207	3003	3660
1103 011	4 x 95	48.0	0.206	250	4003	4662
1103 012	4 x 120	53.4	0.161	292	5160	5972
1103 013	4 x 150	57.9	0.129	335	6307	7074
1103 014	4 x 185	63.9	0.106	385	7764	8714
1103 015	4 x 240	73.1	0.0801	453	9927	11314

TECHNOFLEX
3Plus 2YSLCY-J 0,6/1 kV, 3Plus 2YSLCYK-J 0,6/1 kV

APPLICATIONS

3Plus 2YSLCY-J 0,6/1 kV and **3Plus 2YSLCYK-J 0,6/1 kV** shielded cables with symmetrical construction are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

The division of the protective conductor into 3 evenly distributed in the cable core (on the circumference of 120°) enabled to achieve a symmetrical distribution of fields and reduce the emission of electromagnetic interference into the environment in relation to the cables with four conductors.

3Plus 2YSLCY-J 0,6/1 kV cables are suitable for indoor and **3Plus 2YSLCYK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- polyethylene (PE) insulation - black, blue, brown and green-yellow (protective conductor divided into 3 wires in a green-yellow),
- insulated conductors laid-up in a cable core, construction 3+3,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- PVC cable sheath of **3Plus 2YSLCY-J 0,6/1 kV** cable, transparent or grey RAL 7001, other colours also available,
- PVC cable sheath of **3Plus 2YSLCYK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

3Plus 2YSLCH-J 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

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Connecting since 1982

RoHS COMPLIANT CE

CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	2.5 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit in work conditions	+ 70°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 80°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter

Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	from 20 mm
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			3Plus 2YSLCY-J			
0580 019	3 x 1,5 + 3G0,25	9.0	13.3	18	70.9	118
0580 020	3 x 2,5 + 3G0,5	10.5	7.98	26	111.6	169
0580 021	3 x 4 + 3G0,75	12.0	4.95	34	166.1	229
0580 005	3 x 6 + 3G1	14.0	3.30	44	244.5	323
0580 022	3 x 10 + 3G1,5	16.8	1.91	61	383.1	494
0580 023	3 x 16 + 3G2,5	19.9	1.21	82	617.3	752
0580 024	3 x 25 + 3G4	22.9	0.780	108	959.0	1078
0580 025	3 x 35 + 3G6	25.5	0.554	135	1320	1428
0580 026	3 x 50 + 3G10	32.8	0.386	168	1916	2151
0580 027	3 x 70 + 3G10	39.1	0.272	207	2534	2926
0580 028	3 x 95 + 3G16	43.3	0.206	250	3511	3918
0580 029	3 x 120 + 3G16	47.6	0.161	292	4271	4742
0580 030	3 x 150 + 3G25	52.0	0.129	335	5524	5926
0580 031	3 x 185 + 3G35	57.4	0.106	385	6882	7345
0580 032	3 x 240 + 3G50	65.8	0.0801	453	9022	9702

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			3Plus 2YSLCYK-J			
1691 002	3 x 1,5 + 3G0,25	9.0	13.3	18	70.9	121
1691 003	3 x 2,5 + 3G0,5	10.5	7.98	26	111.6	172
1691 004	3 x 4 + 3G0,75	12.0	4.95	34	166.1	233
1691 005	3 x 6 + 3G1	14.0	3.30	44	244.5	328
1691 006	3 x 10 + 3G1,5	16.8	1.91	61	383.1	502
1691 007	3 x 16 + 3G2,5	19.9	1.21	82	617.3	762
1691 008	3 x 25 + 3G4	22.9	0.780	108	959.0	1089
1691 009	3 x 35 + 3G6	25.5	0.554	135	1320	1441
1691 010	3 x 50 + 3G10	32.8	0.386	168	1916	2171
1691 011	3 x 70 + 3G10	39.1	0.272	207	2534	2951
1691 012	3 x 95 + 3G16	43.3	0.206	250	3511	3949
1691 013	3 x 120 + 3G16	47.6	0.161	292	4271	4777
1691 001	3 x 150 + 3G25	52.0	0.129	335	5524	5967
1691 014	3 x 185 + 3G35	57.4	0.106	385	6882	7393
1691 015	3 x 240 + 3G50	65.8	0.0801	453	9022	9763

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TECHNOFLEX
2XSLCY-J 0,6/1 kV, 2XSLCYK-J 0,6/1 kV

APPLICATIONS

2XSLCY-J 0,6/1 kV and **2XSLCYK-J 0,6/1 kV** shielded cables are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

2XSLCY-J 0,6/1 kV cables are suitable for indoor and **2XSLCYK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - black, blue, brown and green-yellow,
- insulated conductors laid-up in a cable core,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- PVC cable sheath of **2XSLCY-J 0,6/1 kV** cable, transparent or grey RAL 7001, other colours also available,
- PVC cable sheath of **2XSLCYK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

2XSLCH-J 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 250°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 80°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter

Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	from 20 mm
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			2XSLCY-J			
1667 002	4 x 1,5	9.9	13.3	23	80.2	140
1667 001	4 x 2,5	11.4	7.98	32	124.5	194
1667 003	4 x 4	13.3	4.95	42	186.5	276
1667 004	4 x 6	15.3	3.30	54	278.5	377
1667 005	4 x 10	18.4	1.91	75	442.6	594
1667 006	4 x 16	22.1	1.21	100	708.9	911
1667 007	4 x 25	25.3	0.780	127	1099	1291
1667 008	4 x 35	28.3	0.554	158	1502	1682
1667 009	4 x 50	36.3	0.386	192	2133	2492
1667 010	4 x 70	43.7	0.272	246	3003	3619
1667 011	4 x 95	48.0	0.206	298	4003	4614
1667 012	4 x 120	53.4	0.161	346	5160	5915
1667 013	4 x 150	57.9	0.129	399	6307	7010
1667 014	4 x 185	63.9	0.106	456	7764	8638
1667 015	4 x 240	73.1	0.0801	538	9927	11217

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			2XSLCYK-J			
1604 004	4 x 1,5	9.9	13.3	23	80.2	144
1604 001	4 x 2,5	11.4	7.98	32	124.5	199
1604 005	4 x 4	13.3	4.95	42	186.5	282
1604 006	4 x 6	15.3	3.30	54	278.5	384
1604 007	4 x 10	18.4	1.91	75	442.6	603
1604 008	4 x 16	22.1	1.21	100	708.9	924
1604 009	4 x 25	25.3	0.780	127	1099	1306
1604 002	4 x 35	28.3	0.554	158	1502	1700
1604 010	4 x 50	36.3	0.386	192	2133	2517
1604 011	4 x 70	43.7	0.272	246	3003	3654
1604 003	4 x 95	48.0	0.206	298	4003	4655
1604 012	4 x 120	53.4	0.161	346	5160	5963
1604 013	4 x 150	57.9	0.129	399	6307	7065
1604 014	4 x 185	63.9	0.106	456	7764	8703
1604 015	4 x 240	73.1	0.0801	538	9927	11299

TECHNOFLEX
3Plus 2XSLCY-J 0,6/1 kV, 3Plus 2XSLCYK-J 0,6/1 kV

APPLICATIONS

3Plus 2XSLCY-J 0,6/1 kV and **3Plus 2XSLCYK-J 0,6/1 kV** shielded cables with symmetrical construction are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

The division of the protective conductor into 3 evenly distributed in the cable core (on the circumference of 120°) enabled to achieve a symmetrical distribution of fields and reduce the emission of electromagnetic interference into the environment in relation to the cables with four conductors.

3Plus 2XSLCY-J 0,6/1 kV cables are suitable for indoor and **3Plus 2XSLCYK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - black, blue, brown and green-yellow (protective conductor divided into 3 wires in a green-yellow),
- insulated conductors laid-up in a cable core, construction 3 + 3,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- PVC cable sheath of **3Plus 2XSLCY-J 0,6/1 kV** cable, transparent or grey RAL 7001, other colours also available,
- PVC cable sheath of **3Plus 2XSLCYK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

3Plus 2XSLCH-J 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

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CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 80°C
for movable installation	from - 5 to + 80°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter

Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	from 20 mm
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			3Plus 2XSLCY-J			
1718 001	3 x 1,5 + 3G0,25	9.0	13.3	23	70.9	118
1718 002	3 x 2,5 + 3G0,5	10.5	7.98	32	111.6	168
1718 003	3 x 4 + 3G0,75	12.0	4.95	42	166.1	228
1718 004	3 x 6 + 3G1	14.0	3.30	54	244.5	322
1718 005	3 x 10 + 3G1,5	16.8	1.91	75	383.1	492
1718 006	3 x 16 + 3G2,5	19.9	1.21	100	617.3	750
1718 007	3 x 25 + 3G4	22.9	0.780	127	959.0	1433
1718 008	3 x 35 + 3G6	25.5	0.554	158	1320	1425
1718 009	3 x 50 + 3G10	32.8	0.386	192	1916	2147
1718 010	3 x 70 + 3G10	39.1	0.272	246	2534	2920
1718 011	3 x 95 + 3G16	43.3	0.206	298	3511	3910
1718 012	3 x 120 + 3G16	47.6	0.161	346	4271	4733
1718 013	3 x 150 + 3G25	52.0	0.129	399	5524	5916
1718 014	3 x 185 + 3G35	57.4	0.106	456	6882	7333
1718 015	3 x 240 + 3G50	65.8	0.0801	538	9022	9687

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			3Plus 2XSLCYK-J			
1719 001	3 x 1,5 + 3G0,25	9.0	13.3	23	70.9	121
1719 002	3 x 2,5 + 3G0,5	10.5	7.98	32	111.6	172
1719 003	3 x 4 + 3G0,75	12.0	4.95	42	166.1	232
1719 004	3 x 6 + 3G1	14.0	3.30	54	244.5	327
1719 005	3 x 10 + 3G1,5	16.8	1.91	75	383.1	498
1719 006	3 x 16 + 3G2,5	19.9	1.21	100	617.3	758
1719 007	3 x 25 + 3G4	22.9	0.780	127	959.0	1443
1719 008	3 x 35 + 3G6	25.5	0.554	158	1320	1436
1719 009	3 x 50 + 3G10	32.8	0.386	192	1916	2163
1719 010	3 x 70 + 3G10	39.1	0.272	246	2534	2942
1719 011	3 x 95 + 3G16	43.3	0.206	298	3511	3936
1719 012	3 x 120 + 3G16	47.6	0.161	346	4271	4763
1719 013	3 x 150 + 3G25	52.0	0.129	399	5524	5948
1719 014	3 x 185 + 3G35	57.4	0.106	456	6882	7373
1719 015	3 x 240 + 3G50	65.8	0.0801	538	9022	9739

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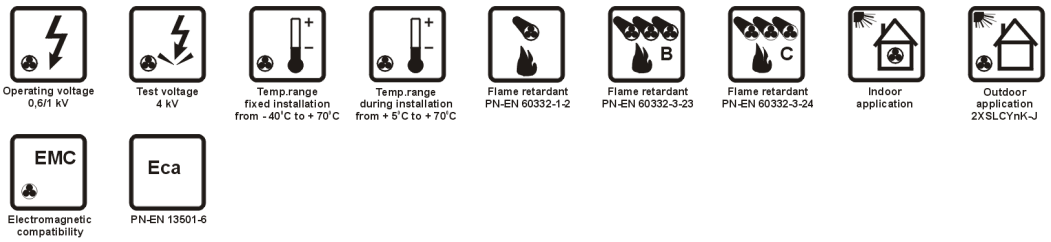
TECHNOFLEX
2XSLCYn-J 0,6/1 kV, 2XSLCYnK-J 0,6/1 kV



APPLICATIONS

2XSLCYn-J 0,6/1 kV and **2XSLCYnK-J 0,6/1 kV** shielded flame retardant cables are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

2XSLCYn-J 0,6/1 kV cables are suitable for indoor and **2XSLCYnK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Sheathing PVC of high oxygen index is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - black, blue, brown and green-yellow,
- insulated conductors laid-up in a cable core,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- PVC cable sheath of **2XSLCYn-J 0,6/1 kV** cable, grey RAL 7001, other colours also available,
- PVC cable sheath of **2XSLCYnK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

2XSLCH-J 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 70°C
for movable installation	from + 5 to + 70°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter

Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	from 20 mm
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
>25 mm^2	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm^2	PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			2XSLCYn-J			
1705 007	4 x 1,5	10.5	13.3	23	80.2	169
1705 006	4 x 2,5	12.0	7.98	32	124.5	228
1705 005	4 x 4	13.7	4.95	42	186.5	310
1705 004	4 x 6	15.7	3.30	54	278.5	416
1705 008	4 x 10	18.6	1.91	75	442.6	633
1705 009	4 x 16	22.1	1.21	100	708.9	953
1705 003	4 x 25	25.3	0.780	127	1099	1341
1705 010	4 x 35	28.3	0.554	158	1502	1742
1705 011	4 x 50	36.3	0.386	192	2133	2577
1705 012	4 x 70	43.7	0.272	246	3003	3736
1705 002	4 x 95	48.0	0.206	298	4003	4749
1705 001	4 x 120	53.4	0.161	346	5160	6077
1705 013	4 x 150	57.9	0.129	399	6307	7192
1705 014	4 x 185	63.9	0.106	456	7764	8854
1705 015	4 x 240	73.1	0.0801	538	9927	11489

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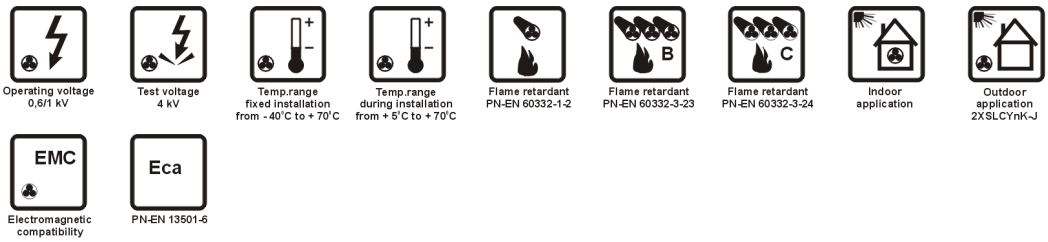
Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			2XSLCYnK-J			
1717 001	4 x 1,5	10.5	13.3	23	80.2	169
1717 002	4 x 2,5	12.0	7.98	32	124.5	228
1717 003	4 x 4	13.7	4.95	42	186.5	310
1717 004	4 x 6	15.7	3.30	54	278.5	416
1717 005	4 x 10	18.6	1.91	75	442.6	633
1717 006	4 x 16	22.1	1.21	100	708.9	953
1717 007	4 x 25	25.3	0.780	127	1099	1341
1717 008	4 x 35	28.3	0.554	158	1502	1742
1717 009	4 x 50	36.3	0.386	192	2133	2577
1717 010	4 x 70	43.7	0.272	246	3003	3736
1717 011	4 x 95	48.0	0.206	298	4003	4749
1717 012	4 x 120	53.4	0.161	346	5160	6077
1717 013	4 x 150	57.9	0.129	399	6307	7192
1717 014	4 x 185	63.9	0.106	456	7764	8854
1717 015	4 x 240	73.1	0.0801	538	9927	11489

TECHNOFLEX
3Plus 2XSLCYn-J 0,6/1 kV, 3Plus 2XSLCYnK-J 0,6/1 kV



APPLICATIONS

3Plus 2XSLCYn-J 0,6/1 kV and **3Plus 2XSLCYnK-J 0,6/1 kV** shielded flame retardant cables with symmetrical construction are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

The division of the protective conductor into 3 evenly distributed in the cable core (on the circumference of 120°) enabled to achieve a symmetrical distribution of fields and reduce the emission of electromagnetic interference into the environment in relation to the cables with four conductors.

3Plus 2XSLCYn-J 0,6/1 kV cables are suitable for indoor and **3Plus 2XSLCYnK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Sheathing PVC of high oxygen index is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - black, blue, brown and green-yellow (protective conductor divided into 3 wires in a green-yellow),
- insulated conductors laid-up in a cable core, construction 3 + 3,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- PVC cable sheath of **3Plus 2XSLCYn-J 0,6/1 kV** cable, grey RAL 7001, other colours also available,
- PVC cable sheath of **3Plus 2XSLCYnK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

3Plus 2XSLCH-J 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

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CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 70°C
for movable installation	from + 5 to + 70°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter

Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	from 20 mm
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
>25 mm²	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm²	PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm²	mm	Ω/km	A	kg/km	kg/km
			3Plus 2XSLCYn-J			
1599 008	3 x 1,5 + 3G0,25	9.8	13.3	23	70.9	148
1599 002	3 x 2,5 + 3G0,5	11.1	7.98	32	111.6	199
1599 003	3 x 4 + 3G0,75	12.6	4.95	42	166.1	263
1599 004	3 x 6 + 3G1	14.4	3.30	54	244.5	357
1599 005	3 x 10 + 3G1,5	17.0	1.91	75	383.1	528
1599 006	3 x 16 + 3G2,5	19.9	1.21	100	617.3	785
1599 001	3 x 25 + 3G4	22.9	0.780	127	959.0	1475
1599 007	3 x 35 + 3G6	25.5	0.554	158	1320	1475
1599 009	3 x 50 + 3G10	32.8	0.386	192	1916	2220
1599 010	3 x 70 + 3G10	39.1	0.272	246	2534	3016
1599 011	3 x 95 + 3G16	43.3	0.206	298	3511	4027
1599 012	3 x 120 + 3G16	47.6	0.161	346	4271	4866
1599 013	3 x 150 + 3G25	52.0	0.129	399	5524	6068
1599 014	3 x 185 + 3G35	57.4	0.106	456	6882	7514
1599 015	3 x 240 + 3G50	65.8	0.0801	538	9022	9917

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			3Plus 2XSLCYnK-J			
1694 002	3 x 1,5 + 3G0,25	9.8	13.3	23	70.9	148
1694 003	3 x 2,5 + 3G0,5	11.1	7.98	32	111.6	199
1694 004	3 x 4 + 3G0,75	12.6	4.95	42	166.1	263
1694 005	3 x 6 + 3G1	14.4	3.30	54	244.5	357
1694 006	3 x 10 + 3G1,5	17.0	1.91	75	383.1	528
1694 007	3 x 16 + 3G2,5	19.9	1.21	100	617.3	785
1694 008	3 x 25 + 3G4	22.9	0.780	127	959.0	1475
1694 009	3 x 35 + 3G6	25.5	0.554	158	1320	1475
1694 010	3 x 50 + 3G10	32.8	0.386	192	1916	2220
1694 011	3 x 70 + 3G10	39.1	0.272	246	2534	3016
1694 012	3 x 95 + 3G16	43.3	0.206	298	3511	4027
1694 013	3 x 120 + 3G16	47.6	0.161	346	4271	4866
1694 014	3 x 150 + 3G25	52.0	0.129	399	5524	6068
1694 015	3 x 185 + 3G35	57.4	0.106	456	6882	7514
1694 001	3 x 240 + 3G50	65.8	0.0801	538	9022	9917

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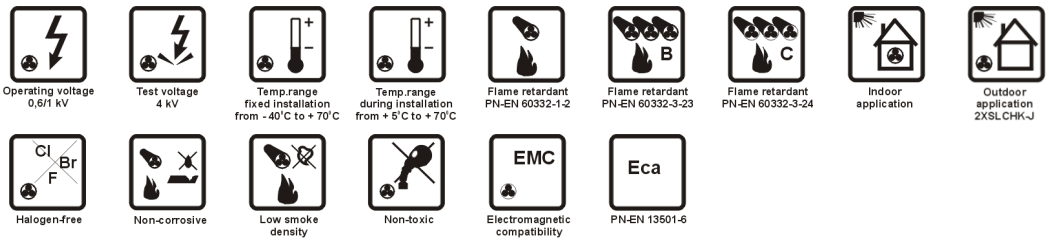
TECHNOFLEX
2XSLCH-J 0,6/1 kV, 2XSLCHK-J 0,6/1 kV



APPLICATIONS

2XSLCH-J 0,6/1 kV and **2XSLCHK-J 0,6/1 kV** shielded halogen free cables are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

Halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

2XSLCH-J 0,6/1 kV cables are suitable for indoor and **2XSLCHK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - black, blue, brown and green-yellow,
- insulated conductors laid-up in a cable core,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- halogen free compound (HFFR) cable sheath of **2XSLCH-J 0,6/1 kV** cable, grey RAL 7001, other colours also available,
- halogen free compound (HFFR) cable sheath of **2XSLCHK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 70°C
for movable installation	from + 5 to + 70°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter
Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	from 20 mm

Corrosivity of emitted gases per	PN-EN 60754-1, PN-EN 60754-2, IEC 60754-2
pH	>4.3
Conductivity	<2.5 µS/mm
Smoke density	PN-EN 61034-2, IEC 61034-2
Light transmittance, minimum	70%
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
>25 mm²	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm²	PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm²	mm	Ω/km	A	kg/km	kg/km
			2XSLCH-J			
1676 004	4 x 1,5	9.9	13.3	23	80.2	152
1676 001	4 x 2,5	11.4	7.98	32	124.5	208
1676 005	4 x 4	13.3	4.95	42	186.5	294
1676 006	4 x 6	15.3	3.30	54	278.5	397
1676 007	4 x 10	18.4	1.91	75	442.6	620
1676 008	4 x 16	22.1	1.21	100	708.9	947
1676 009	4 x 25	25.3	0.780	127	1099	1334
1676 002	4 x 35	28.3	0.554	158	1502	1734
1676 003	4 x 50	36.3	0.386	192	2133	2565
1676 010	4 x 70	43.7	0.272	246	3003	3721
1676 011	4 x 95	48.0	0.206	298	4003	4731
1676 012	4 x 120	53.4	0.161	346	5160	6055

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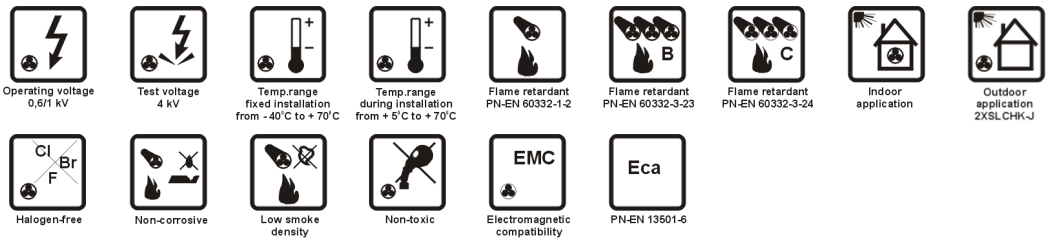
Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
1676 013	4 x 150	57.9	0.129	399	6307	7168
1676 014	4 x 185	63.9	0.106	456	7764	8825
1676 015	4 x 240	73.1	0.0801	538	9927	11453
			2XSLCHK-J			
1702 004	4 x 1,5	9.9	13.3	23	80.2	152
1702 001	4 x 2,5	11.4	7.98	32	124.5	208
1702 002	4 x 4	13.3	4.95	42	186.5	294
1702 005	4 x 6	15.3	3.30	54	278.5	397
1702 006	4 x 10	18.4	1.91	75	442.6	620
1702 007	4 x 16	22.1	1.21	100	708.9	947
1702 003	4 x 25	25.3	0.780	127	1099	1334
1702 008	4 x 35	28.3	0.554	158	1502	1734
1702 009	4 x 50	36.3	0.386	192	2133	2565
1702 010	4 x 70	43.7	0.272	246	3003	3721
1702 011	4 x 95	48.0	0.206	298	4003	4731
1702 012	4 x 120	53.4	0.161	346	5160	6055
1702 013	4 x 150	57.9	0.129	399	6307	7168
1702 014	4 x 185	63.9	0.106	456	7764	8825
1702 015	4 x 240	73.1	0.0801	538	9927	11453

TECHNOFLEX
3Plus 2XSLCH-J 0,6/1 kV, 3Plus 2XSLCHK-J 0,6/1 kV



APPLICATIONS

3Plus 2XSLCH-J 0,6/1 kV and **3Plus 2XSLCHK-J 0,6/1 kV** shielded halogen free cables with symmetrical construction are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of e x ternal interferences.

The division of the protective conductor into 3 evenly distributed in the cable core (on the circumference of 120°) enabled to achieve a symmetrical distribution of fields and reduce the emission of electromagnetic interference into the environment in relation to the cables with four conductors.

Halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

3Plus 2XSLCH-J 0,6/1 kV cables are suitable for indoor and **3Plus 2XSLCHK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - black, blue, brown and green-yellow (protective conductor divided into 3 wires in a green-yellow),
- insulated conductors laid-up in a cable core, construction 3+3,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- halogen free compound (HFFR) cable sheath of **3Plus 2XSLCH-J 0,6/1 kV** cable, grey RAL 7001, other colours also available,
- halogen free compound (HFFR) cable sheath of **2XSLCHK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

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CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 70°C
for movable installation	from + 5 to + 70°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter
Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	from 20 mm

Corrosivity of emitted gases per	PN-EN 60754-1, PN-EN 60754-2, IEC 60754-2
pH	>4.3
Conductivity	<2.5 µS/mm
Smoke density	PN-EN 61034-2, IEC 61034-2
Light transmittance, minimum	70%
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
>25 mm²	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm²	PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, ma x .	Current-carrying capacity at temp. 30°C	Copper inde x	Cable weight (appr.)
	mm²	mm	Ω/km	A	kg/km	kg/km
			3Plus 2XSLCH-J			
1720 001	3 x 1,5 + 3G0,25	9.0	13.3	23	70.9	128
1720 002	3 x 2,5 + 3G0,5	10.5	7.98	32	111.6	180
1720 003	3 x 4 + 3G0,75	12.0	4.95	42	166.1	242
1720 004	3 x 6 + 3G1	14.0	3.30	54	244.5	340
1720 005	3 x 10 + 3G1,5	16.8	1.91	75	383.1	516
1720 006	3 x 16 + 3G2,5	19.9	1.21	100	617.3	780
1720 007	3 x 25 + 3G4	22.9	0.780	127	959.0	1470
1720 008	3 x 35 + 3G6	25.5	0.554	158	1320	1468
1720 009	3 x 50 + 3G10	32.8	0.386	192	1916	2210
1720 010	3 x 70 + 3G10	39.1	0.272	246	2534	3003

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, ma x .	Current-carrying capacity at temp. 30°C	Copper inde x	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
1720 011	3 x 95 + 3G16	43.3	0.206	298	3511	4011
1720 012	3 x 120 + 3G16	47.6	0.161	346	4271	4849
1720 013	3 x 150 + 3G25	52.0	0.129	399	5524	6047
1720 014	3 x 185 + 3G35	57.4	0.106	456	6882	7489
1720 015	3 x 240 + 3G50	65.8	0.0801	538	9022	9886
			3Plus 2XSLCHK-J			
1721 001	3 x 1,5 + 3G0,25	9.0	13.3	23	70.9	128
1721 002	3 x 2,5 + 3G0,5	10.5	7.98	32	111.6	180
1721 003	3 x 4 + 3G0,75	12.0	4.95	42	166.1	242
1721 004	3 x 6 + 3G1	14.0	3.30	54	244.5	340
1721 005	3 x 10 + 3G1,5	16.8	1.91	75	383.1	516
1721 006	3 x 16 + 3G2,5	19.9	1.21	100	617.3	780
1721 007	3 x 25 + 3G4	22.9	0.780	127	959.0	1470
1721 008	3 x 35 + 3G6	25.5	0.554	158	1320	1468
1721 009	3 x 50 + 3G10	32.8	0.386	192	1916	2210
1721 010	3 x 70 + 3G10	39.1	0.272	246	2534	3003
1721 011	3 x 95 + 3G16	43.3	0.206	298	3511	4011
1721 012	3 x 120 + 3G16	47.6	0.161	346	4271	4849
1721 013	3 x 150 + 3G25	52.0	0.129	399	5524	6047
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1721 015	3 x 240 + 3G50	65.8	0.0801	538	9022	9886

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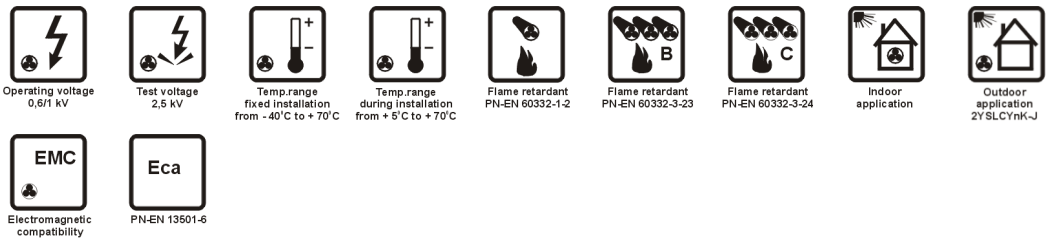
TECHNOFLEX
2YSLCYn-J 0,6/1 kV, 2YSLCYnK-J 0,6/1 kV



APPLICATIONS

2YSLCYn-J 0,6/1 kV and **2YSLCYnK-J 0,6/1 kV** shielded flame retardant cables are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

2YSLCYn-J 0,6/1 kV cables are suitable for indoor and **2YSLCYnK-J 0,6/1 kV** cables for outdoor fixed and movable installations.

Sheathing PVC of high oxygen index is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- polyethylene (PE) insulation - black, blue, brown and green-yellow,
- insulated conductors laid-up in a cable core,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- PVC cable sheath of **2YSLCYn-J 0,6/1 kV** cable, grey RAL 7001, other colours also available,
- PVC cable sheath of **2YSLCYnK-J 0,6/1 kV** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

2YSLCH-J 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit in work conditions	+ 70°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 70°C
for movable installation	from + 5 to + 70°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter

Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	20 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
>25 mm^2	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm^2	PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			2YSLCYn-J			
1531 003	4 x 1,5	10.5	13.3	18	80.2	169
1531 010	4 x 2,5	12.0	7.98	26	124.5	228
1531 004	4 x 4	13.7	4.95	34	186.5	311
1531 011	4 x 6	15.7	3.30	44	278.5	417
1531 009	4 x 10	18.6	1.91	61	442.6	635
1531 005	4 x 16	22.1	1.21	82	708.9	955
1531 012	4 x 25	25.3	0.780	108	1099	1344
1531 013	4 x 35	28.3	0.554	135	1502	1745
1531 008	4 x 50	36.3	0.386	168	2133	2581
1531 014	4 x 70	43.7	0.272	207	3003	3742
1531 007	4 x 95	48.0	0.206	250	4003	4756
1531 015	4 x 120	53.4	0.161	292	5160	6085
1531 016	4 x 150	57.9	0.129	335	6307	7202
1531 017	4 x 185	63.9	0.106	385	7764	8865
1531 018	4 x 240	73.1	0.0801	453	9927	11504

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
			2YSLCYnK-J			
1455 004	4 x 1,5	10.5	13.3	18	80.2	169
1455 005	4 x 2,5	12.0	7.98	26	124.5	228
1455 001	4 x 4	13.7	4.95	34	186.5	311
1455 002	4 x 6	15.7	3.30	44	278.5	417
1455 003	4 x 10	18.6	1.91	61	442.6	635
1455 006	4 x 16	22.1	1.21	82	708.9	955
1455 007	4 x 25	25.3	0.780	108	1099	1344
1455 008	4 x 35	28.3	0.554	135	1502	1745
1455 009	4 x 50	36.3	0.386	168	2133	2581
1455 010	4 x 70	43.7	0.272	207	3003	3742
1455 011	4 x 95	48.0	0.206	250	4003	4756
1455 012	4 x 120	53.4	0.161	292	5160	6085
1455 013	4 x 150	57.9	0.129	335	6307	7202
1455 014	4 x 185	63.9	0.106	385	7764	8865
1455 015	4 x 240	73.1	0.0801	453	9927	11504

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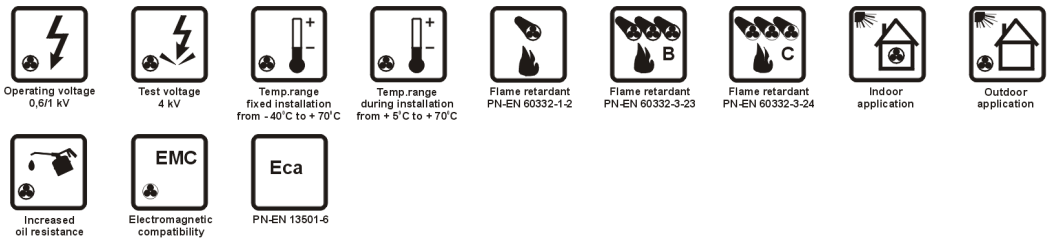
TECHNOFLEX
2XSLCYon-J 0,6/1 kV



APPLICATIONS

2XSLCYon-J 0,6/1 kV shielded flame retardant cables are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for indoor and outdoor installations connecting fixed and movable equipment.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - black, blue, brown and green-yellow,
- insulated conductors laid-up in a cable core,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

2XSLCH-J 0,6/1 kV - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

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CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	200 MΩ·km
Shielding efficiency, approximate	75 dB
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Effective capacitance (according to different cross-sections)	
conductor/conductor	70 to 250 nF/km
conductor/screen	110 to 410 nF/km
Operating temperature range:	
for fixed installation	from - 40 to + 70°C
for movable installation	from + 5 to + 70°C
Minimum bending radius static for diameters:	
up to 12 mm	5 x cable diameter
from 12 to 20 mm	7.5 x cable diameter
from 20 mm	10 x cable diameter

Flexible for diameters:	
up to 12 mm	10 x cable diameter
from 12 to 20 mm	15 x cable diameter
from 20 mm	from 20 mm
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
>25 mm^2	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm^2	PN-EN 60332-3-24, IEC 60332-3-24
Oil resistance	PN-EN 60811-404
Referance standards	DT 116/01/08, DIN VDE 0250
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	A	kg/km	kg/km
1394 001	4 x 1,5	9.9	13.3	23	80.2	148
1394 009	4 x 2,5	11.4	7.98	32	124.5	203
1394 005	4 x 4	13.3	4.95	42	186.5	288
1394 010	4 x 6	15.3	3.30	54	278.5	391
1394 002	4 x 10	18.4	1.91	75	442.6	611
1394 003	4 x 16	22.1	1.21	100	708.9	935
1394 004	4 x 25	25.3	0.780	127	1099	1320
1394 011	4 x 35	28.3	0.554	158	1502	1717
1394 006	4 x 50	36.3	0.386	192	2133	2541
1394 007	4 x 70	43.7	0.272	246	3003	3688
1394 008	4 x 95	48.0	0.206	298	4003	4693
1394 012	4 x 120	53.4	0.161	346	5160	6010
1394 013	4 x 150	57.9	0.129	399	6307	7117
1394 014	4 x 185	63.9	0.106	456	7764	8765
1394 015	4 x 240	73.1	0.0801	538	9927	11376

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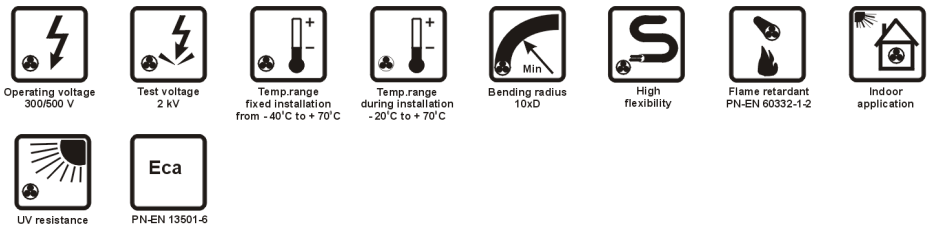
H05VVH6-F nx4G…



APPLICATIONS

H05VVH6-F nx4G… are flexible power and control cables designed for trolley systems, transport lines, machine tools, especially on hosting devices, lift, crane worked in dry and wet locations.

The cables are designed to offer high flexibility combined with tensile strength.

Cable outer sheath is oil-resistant.

The cables are suitable for connecting fixed and movable equipment in dry or wet locations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification, green-yellow protective conductor located in the quad near the axis of the cable,
- insulated conductors twisted into quads,
- quads of insulated conductors laid parallel side by side along the cable,
- black PVC cable sheath, other colours also available.

CHARACTERISTICS

Conductor cross-section	mm^2	0.75	1.0
DC conductor resistance at 20°C, maximum	Ω/km	26.0	19.5
DC insulation resistance at 70°C, minimum	MΩ·km	0.009	0.012

Operating voltage Uo/U	300/500 V
Voltage test	2000 V rms
Maximum length of the free suspension	35 m
Maximum speed movement	1.6 m/s
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 40 to + 70°C
for movable installation	from - 20 to + 70°C

Minimum bending radius	10 x cable height
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	PN-EN 50214
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

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Product No.	Number of conductors x conductor cross-section	Cable outer dimensions (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0893 002	3 x 4G1	8.0 x 20.1	115.0	315.0
0893 001	4 x 4G1	8.0 x 25.9	154.0	415.0

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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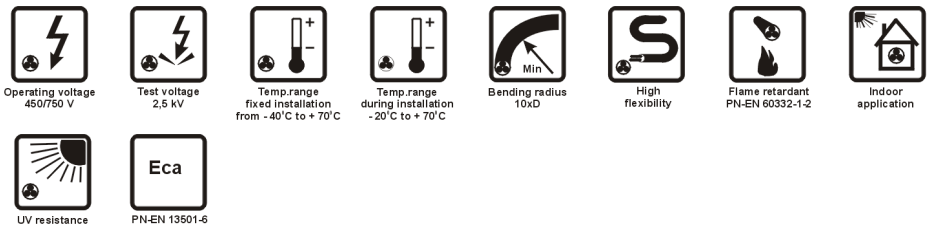
H07VVH6-F



APPLICATIONS

H07VVH6-F are flexible power and control cables designed for trolley systems, transport lines, machine tools, especially on hosting devices, lift, crane worked in dry and wet locations.

The cables are designed to offer high flexibility combined with tensile strength.

Cable outer sheath is oil-resistant.

The cables are suitable for connecting fixed and movable equipment in dry or wet locations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:

  up to 5 cores - in accordance with PN-HD 308,

  from 6 cores - black and white conductor number printed on it,

  optional green-yellow protective conductor located near the axis of the cable,
- insulated conductors laid parallel side by side in groups along the cable,
- black PVC cable sheath, other colours also available.

CHARACTERISTICS

Conductor cross-section	mm^2	1.5	2.5	4.0	6.0	10
DC conductor resistance at 20°C, maximum	Ω/km	13.30	7.98	4.95	3.30	1.91
DC insulation resistance at 70°C, minimum	MΩ·km	0.0100	0.0090	0.0070	0.0060	0.0056

Operating voltage Uo/U	450/750 V
Voltage test	2500 V rms
Maximum length of the free suspension	35 m
Maximum speed movement	1.6 m/s
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C
Operating temperature range	
for fixed installation	from - 40 to + 70°C
for movable installation	from -20 to + 70°C

Minimum bending radius	10 x cable height
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0281 part 404, HD 359
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

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Product No.	Number of conductors x conductor cross-section*	Cable height (appr.)	Cable width (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	mm	kg/km	kg/km
0551 014	3 G 1,5	4.9 to 5.2	11.5 to 12.5	43.2	108
0551 015	3 G 2,5	5.6 to 5.9	14.0 to 15.0	72.0	159
0551 011	4 G 1,5	4.9 to 5.2	14.5 to 15.5	57.6	140
0551 002	4 G 2,5	5.6 to 5.9	17.5 to 18.5	96.0	204
0551 007	4 G 4,0	6.8 to 7.1	20.0 to 21.0	153.6	289
0551 006	4 G 6,0	7.5 to 7.8	22.0 to 23.0	230.4	383
0551 008	4 G 10	8.7 to 9.2	27.5 to 29.0	384.0	615
0551 016	5 G 1,5	4.9 to 5.2	17.5 to 18.5	72.0	172
0551 017	5 G 2,5	5.6 to 5.9	21.0 to 22.0	120.0	251
0551 018	5 G 4	6.8 to 7.1	24.0 to 25.0	192.0	357
0551 019	5 G 6	7.5 to 7.8	26.5 to 28.0	288.0	475
0551 020	5 G 10	8.7 to 9.2	33.5 to 35.0	480.0	765

Product No.	Number of conductors x conductor cross-section*	Cable height (appr.)	Cable width (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	mm	kg/km	kg/km
0551 021	6 G 1,5	4.9 to 5.2	21.5 to 22.5	86.4	211
0551 022	6 G 2,5	5.6 to 5.9	25.5 to 27.0	144.0	309
0551 012	7 G 1,5	4.9 to 5.2	24.5 to 25.5	100.8	244
0551 013	7 G 2,5	5.6 to 5.9	29.5 to 31.0	168.0	356
0551 001	8 G 1,5	4.9 to 5.2	27.0 to 28.5	115.2	276
0551 003	8 G 2,5	5.6 to 5.9	33.0 to 34.5	192.0	402
0551 023	9 G 1,5	4.9 to 5.2	31.0 to 32.5	129.6	315
0551 024	9 G 2,5	5.6 to 5.9	38.0 to 40.0	216.0	461
0551 009	10 G 1,5	4.9 to 5.2	34.0 to 36.0	144.0	347
0551 025	10 G 2,5	5.6 to 5.9	41.5 to 43.5	240.8	507
0551 004	12 G 1,5	4.9 to 5.2	40.0 to 42.0	172.0	411
0551 005	12 G 2,5	5.6 to 5.9	48.5 to 51.0	288.0	601

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

* Attention: For cable with green-yellow protective conductor, instead mark „x" in cable symbol is used letter "G".

Cable marking, for example:
H07VVH6-F 4x1,5 mm2 – cable without green-yellow protective conductor, H07VVH6-F 4G1,5 mm2 – cable with green-yellow protective conductor.

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KASTER

APPLICATIONS

KASTER are cables intended for connecting control panels and consoles with lift, crane, transport and other devices, at once with them suspended by two steel support elements integrated with cable.

The cables are suitable for indoor installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires meeting requirements of class 6 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification, green-yellow protective conductor located in the outer layer,
- insulated conductors laid-up in layers,
- each layer wrapped in nonwoven tape,
- two steel support elements placed in the same plane along the cable, at both sides of cable,
- black (RAL 9005) PVC cable sheath, extruded on the cable core and two steel support elements.

CHARACTERISTICS

Operating voltage Uo/U	300/500 V
Voltage test	2.5 kV rms
DC conductor resistance at 20°C, maximum	
conductor 1.5 mm^2	13.3 Ω/km
Maximum length of the free suspension	35 m
DC insulation resistance at 70°C, minimum	0,010 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 150°C

Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from -20 to + 70°C
Minimum bending radius	10 x cable height
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	PN-87/E-90050
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

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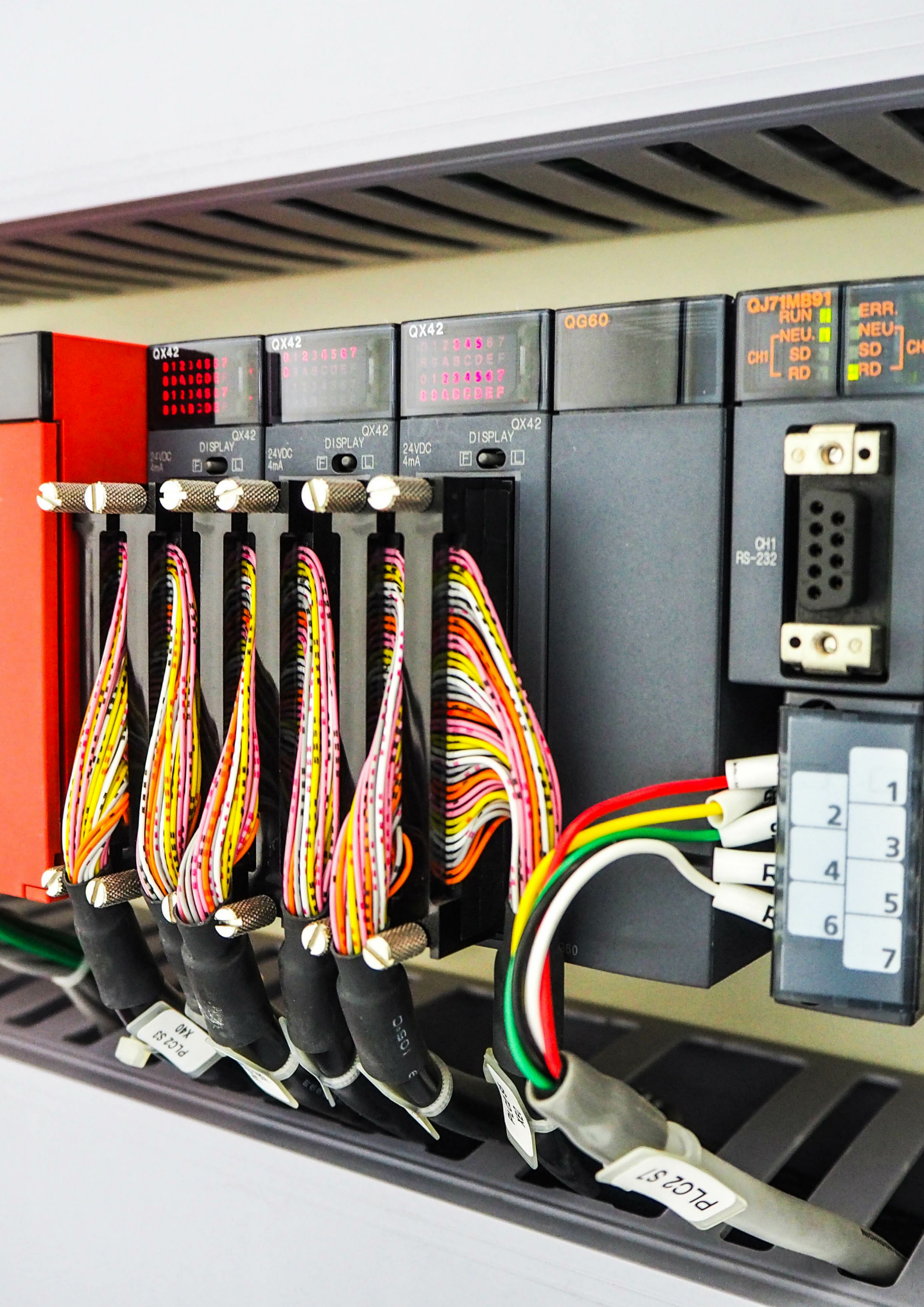
RoHS COMPLIANT CE

Product No.	Number of conductors x conductor cross-section*	Cable height (appr.)	Cable width (appr.)	Copper index	Cable weight (appr.)
	mm2	mm	mm	kg/km	kg/km
0552 001	12G1,5	14.3	24.5	173.0	409
0552 006	16G1,5	15.8	26.0	230.5	503
0552 003	18G1,5	16.6	26.8	259.5	554
0552 002	20G1,5	17.4	27.6	288.0	596
0552 004	24G1,5	19.8	30.0	346.0	708

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

* Attention: For cable with green-yellow protective conductor, instead mark „x” in cable symbol is used letter ”G”.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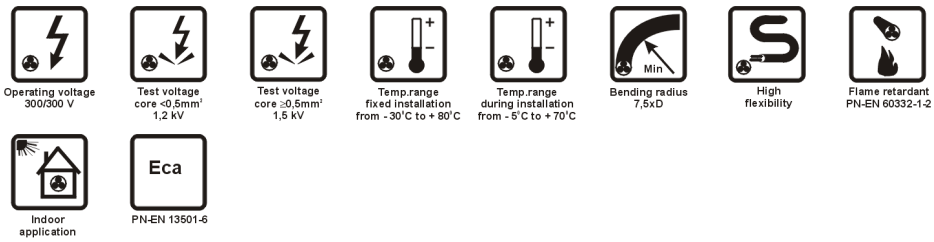
TECHNOTRONIK LiYY



APPLICATIONS

TECHNOTRONIK LiYY are control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

The cables are designed to offer high flexibility and small outer diameter combined with tensile strength.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiYY-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiY11Y - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK LiHH - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOTRONIK IB-LiYY - specially designed intrinsically safe cable.

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CHARACTERISTICS

Conductor cross-section	mm²	0.14	0.25	0.34	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	350	350	350	500	500	500	500	500
Voltage test	V rms	1200	1200	1200	1500	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	144.0	79.0	57.0	39.0	26.0	19.5	13.3	7.98
Capacitance between conductors at 1 kHz, appr.	nF/km	90	90	100	100	120	120	130	130

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, WT-TK-32
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0162 007	2 x 0,14	3.0	2.69	13
0162 010	3 x 0,14	3.1	4.0	15
0162 013	4 x 0,14	3.4	5.4	17
0162 014	5 x 0,14	3.7	6.7	21
0162 015	6 x 0,14	4.0	8.1	25
0162 016	7 x 0,14	4.0	9.4	25
0162 017	8 x 0,14	4.3	10.8	28
0162 018	10 x 0,14	5.2	13.4	37
0162 019	12 x 0,14	5.4	16.1	42
0162 020	14 x 0,14	5.6	18.8	46
0162 021	16 x 0,14	5.9	21.5	52
0162 257	18 x 0,14	6.3	24.2	59
0162 192	20 x 0,14	6.6	26.9	65
0162 272	21 x 0,14	6.6	28.2	65
0162 240	27 x 0,14	7.4	36.3	79
0162 273	30 x 0,14	7.7	40.3	86
0162 022	36 x 0,14	8.3	48.4	102
0162 138	40 x 0,14	8.6	53.8	110
0162 274	44 x 0,14	9.7	59.1	129

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0162 275	48 x 0,14	9.9	64.5	138
0162 276	52 x 0,14	10.2	69.9	147
0162 277	56 x 0,14	10.5	75.3	158
0162 278	61 x 0,14	10.8	82.0	168
0162 024	2 x 0,25	3.3	4.8	17
0162 026	3 x 0,25	3.5	7.2	20
0162 029	4 x 0,25	3.8	9.6	24
0162 136	5 x 0,25	4.1	12.0	29
0162 031	6 x 0,25	4.5	14.4	34
0162 032	7 x 0,25	4.5	16.8	35
0162 033	8 x 0,25	4.8	19.2	38
0162 035	10 x 0,25	5.9	24.0	52
0162 036	12 x 0,25	6.0	28.8	58
0162 037	14 x 0,25	6.4	33.6	66
0162 262	16 x 0,25	6.7	38.4	75
0162 279	18 x 0,25	7.1	43.2	83
0162 038	20 x 0,25	7.4	48.0	92
0162 280	21 x 0,25	7.4	50.4	92
0162 263	24 x 0,25	8.2	57.6	105

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0162 281	27 x 0,25	8.4	64.8	115
0162 040	30 x 0,25	8.7	72.0	126
0162 041	36 x 0,25	9.8	86.4	157
0162 264	40 x 0,25	10.2	96.0	170
0162 282	44 x 0,25	11.0	105.6	187
0162 283	48 x 0,25	11.2	115.2	201
0162 284	52 x 0,25	11.5	124.8	215
0162 265	56 x 0,25	12.1	134.4	235
0162 285	61 x 0,25	12.4	146.4	252
0162 105	2 x 0,34	3.5	6.5	20
0162 109	3 x 0,34	3.7	9.8	24
0162 114	4 x 0,34	4.0	13.1	29
0162 115	5 x 0,34	4.4	16.3	36
0162 116	6 x 0,34	4.8	19.6	42
0162 117	7 x 0,34	4.8	22.8	44
0162 118	8 x 0,34	5.4	26.1	51
0162 119	10 x 0,34	6.3	32.6	65
0162 120	12 x 0,34	6.5	39.2	74
0162 162	14 x 0,34	6.8	45.7	84
0162 254	16 x 0,34	7.2	52.2	95
0162 174	18 x 0,34	7.6	58.8	106
0162 121	20 x 0,34	8.0	65.3	118
0162 286	21 x 0,34	8.0	68.5	118
0162 287	27 x 0,34	9.1	88.1	149
0162 266	30 x 0,34	9.8	97.9	171
0162 288	36 x 0,34	10.6	117.5	203
0162 267	40 x 0,34	11.0	130.6	220
0162 289	44 x 0,34	12.1	143.6	248
0162 290	48 x 0,34	12.3	156.7	266
0162 291	52 x 0,34	12.6	169.7	284
0162 292	56 x 0,34	13.0	182.8	305
0162 122	61 x 0,34	13.4	199.1	327
0162 044	2 x 0,5	4.0	9.6	25
0162 046	3 x 0,5	4.2	14.4	31
0162 050	4 x 0,5	4.6	19.2	37
0162 051	5 x 0,5	5.3	24.0	49
0162 052	6 x 0,5	5.8	28.8	58
0162 054	7 x 0,5	5.8	33.6	61
0162 056	8 x 0,5	6.2	38.4	70

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0162 057	10 x 0,5	7.3	48.0	85
0162 058	12 x 0,5	7.5	57.6	97
0162 203	14 x 0,5	7.9	67.2	110
0162 059	16 x 0,5	8.4	76.8	125
0162 224	18 x 0,5	8.9	86.4	140
0162 293	20 x 0,5	9.7	96.0	164
0162 294	21 x 0,5	9.7	100.8	166
0162 295	27 x 0,5	11.0	129.6	206
0162 268	30 x 0,5	11.4	144.0	225
0162 296	36 x 0,5	12.6	172.8	273
0162 269	40 x 0,5	13.0	192.0	298
0162 297	44 x 0,5	14.3	211.2	332
0162 298	48 x 0,5	14.5	230.4	356
0162 299	52 x 0,5	14.9	249.6	381
0162 300	56 x 0,5	15.4	268.8	409
0162 060	61 x 0,5	15.9	292.8	439
0162 062	2 x 0,75	4.4	14.4	32
0162 063	3 x 0,75	4.6	21.6	39
0162 065	4 x 0,75	5.3	28.8	51
0162 068	5 x 0,75	5.8	36.0	63
0162 070	6 x 0,75	6.3	43.2	74
0162 072	7 x 0,75	6.3	50.4	78
0162 130	8 x 0,75	6.8	57.6	90
0162 074	10 x 0,75	8.0	72.0	111
0162 075	12 x 0,75	8.3	86.4	127
0162 142	16 x 0,75	9.6	115.2	172
0162 076	20 x 0,75	10.7	144.0	213
0162 220	24 x 0,75	12.1	172.8	251
0162 077	27 x 0,75	12.3	194.4	275
0162 301	30 x 0,75	12.8	216.0	302
0162 302	36 x 0,75	14.0	259.2	365
0162 303	40 x 0,75	14.5	288.0	398
0162 304	42 x 0,75	15.1	302.4	425
0162 305	44 x 0,75	15.7	316.8	436
0162 306	48 x 0,75	16.0	345.6	469
0162 307	52 x 0,75	16.5	374.4	504
0162 308	56 x 0,75	17.0	403.2	540
0162 309	61 x 0,75	17.5	439.2	581
0162 079	2 x 1,0	4.7	19.2	39

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0162 080	3 x 1,0	5.2	28.8	51
0162 081	4 x 1,0	5.7	38.4	62
0162 093	5 x 1,0	6.3	48.0	77
0162 082	6 x 1,0	6.8	57.6	92
0162 084	7 x 1,0	6.8	67.2	97
0162 184	10 x 1,0	8.7	96.0	139
0162 194	12 x 1,0	9.0	115.2	159
0162 086	16 x 1,0	10.5	153.6	216
0162 270	20 x 1,0	11.8	192.0	273
0162 226	25 x 1,0	13.5	240.0	338
0162 310	27 x 1,0	13.5	259.2	349
0162 311	30 x 1,0	14.2	288.0	388
0162 312	36 x 1,0	15.3	345.6	462
0162 313	40 x 1,0	15.9	384.0	505
0162 087	2 x 1,5	5.7	28.8	56
0162 089	3 x 1,5	6.0	43.2	70
0162 091	4 x 1,5	6.6	57.6	87
0162 092	5 x 1,5	7.3	72.0	108

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0162 095	6 x 1,5	7.9	86.4	128
0162 096	7 x 1,5	7.9	100.8	137
0162 098	9 x 1,5	10.6	129.6	196
0162 099	12 x 1,5	11.0	172.8	236
0162 100	16 x 1,5	12.4	230.4	310
0162 314	20 x 1,5	14.0	288.0	392
0162 188	24 x 1,5	15.6	345.6	455
0162 102	2 x 2,5	6.5	48.0	79
0162 103	3 x 2,5	6.9	72.0	101
0162 123	4 x 2,5	7.6	96.0	126
0162 104	5 x 2,5	8.4	120.0	158
0162 315	6 x 2,5	9.6	144.0	198
0162 271	7 x 2,5	9.6	168.0	212
0162 316	10 x 2,5	12.5	240.0	307
0162 317	12 x 2,5	13.0	288.0	355
0162 318	16 x 2,5	14.6	384.0	467
0162 319	19 x 2,5	15.5	456.0	539
0162 320	24 x 2,5	18.4	576.0	687

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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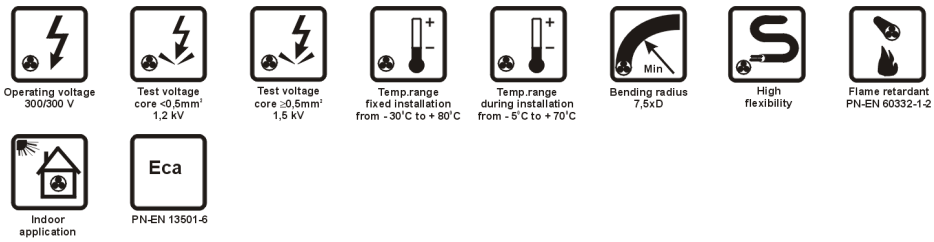
TECHNOTRONIK LiYY-P



APPLICATIONS

TECHNOTRONIK LiYY-P are multipair control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables are designed to offer high flexibility and small outer diameter combined with tensile strength.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiYY-P-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiY11Y-P - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK LiHH-P - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOTRONIK IB-LiYY-P - specially designed intrinsically safe cable.

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CHARACTERISTICS

Conductor cross-section	mm²	0.14	0.25	0.34	0.5	0.75	1.0	1.5
Operating voltage, peak value	V	350	350	350	500	500	500	500
Voltage test	V rms	1200	1200	1200	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	281.5	161.2	116.3	79.6	53.0	39.8	27.1
Mutual capacitance at 1 kHz, approximate	nF/km	90	90	100	100	120	120	130

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Capacitance unbalance, maximum	300 pF/100 m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, WT-TK-32
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0168 001	2 x 2 x 0,14	4.5	5.4	22
0168 002	3 x 2 x 0,14	4.8	8.1	24
0168 003	4 x 2 x 0,14	5.4	10.8	32
0168 004	5 x 2 x 0,14	5.9	13.4	38
0168 005	6 x 2 x 0,14	6.5	16.1	44
0168 006	7 x 2 x 0,14	6.5	18.8	48
0168 007	8 x 2 x 0,14	6.9	21.5	54
0168 008	10 x 2 x 0,14	7.8	26.9	65
0168 009	12 x 2 x 0,14	8.2	32.3	74
0168 048	16 x 2 x 0,14	9.6	43.0	103
0168 049	25 x 2 x 0,14	11.8	67.2	154
0168 012	30 x 2 x 0,14	12.8	80.6	179
0168 013	2 x 2 x 0,25	5.2	9.6	31
0168 014	3 x 2 x 0,25	5.5	14.4	36
0168 015	4 x 2 x 0,25	6.1	19.2	44
0168 016	5 x 2 x 0,25	6.7	24.0	53
0168 017	6 x 2 x 0,25	7.3	28.8	61
0168 050	7 x 2 x 0,25	7.3	33.6	67

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0168 051	8 x 2 x 0,25	7.7	38.4	75
0168 044	10 x 2 x 0,25	8.8	48.0	92
0168 018	15 x 2 x 0,25	10.6	72.0	139
0168 052	16 x 2 x 0,25	10.9	76.8	146
0168 019	18 x 2 x 0,25	11.4	86.4	162
0168 053	2 x 2 x 0,34	5.6	13.1	37
0168 035	3 x 2 x 0,34	5.9	19.6	44
0168 045	4 x 2 x 0,34	6.5	26.1	55
0168 046	5 x 2 x 0,34	7.2	32.6	66
0168 054	6 x 2 x 0,34	7.8	39.2	76
0168 055	7 x 2 x 0,34	7.8	45.7	85
0168 056	8 x 2 x 0,34	8.3	52.2	96
0168 057	10 x 2 x 0,34	9.9	65.3	127
0168 058	12 x 2 x 0,34	10.4	78.3	146
0168 020	2 x 2 x 0,5	6.5	19.2	48
0168 021	3 x 2 x 0,5	6.9	28.8	57
0168 022	4 x 2 x 0,5	7.6	38.4	71
0168 059	5 x 2 x 0,5	8.3	48.0	85

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0168 037	6 x 2 x 0,5	9.1	57.6	99
0168 060	7 x 2 x 0,5	9.1	67.2	111
0168 023	8 x 2 x 0,5	10.1	76.8	135
0168 024	10 x 2 x 0,5	11.5	96.0	164
0168 047	12 x 2 x 0,5	12.3	115.2	197
0168 061	18 x 2 x 0,5	14.8	172.8	286
0168 025	2 x 2 x 0,75	7.1	28.8	63
0168 062	3 x 2 x 0,75	7.5	43.2	72
0168 026	4 x 2 x 0,75	8.3	57.6	90
0168 027	5 x 2 x 0,75	9.6	72.0	119
0168 063	6 x 2 x 0,75	10.4	86.4	139
0168 064	7 x 2 x 0,75	10.4	100.8	155
0168 028	8 x 2 x 0,75	11.1	115.2	174
0168 029	9 x 2 x 0,75	12.2	129.6	200
0168 030	10 x 2 x 0,75	12.9	144.0	220
0168 031	12 x 2 x 0,75	13.5	172.8	255
0168 032	16 x 2 x 0,75	15.5	230.4	336
0168 033	2 x 2 x 1,0	7.7	38.4	75

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0168 036	3 x 2 x 1,0	8.2	57.6	89
0168 065	4 x 2 x 1,0	9.0	76.8	112
0168 066	5 x 2 x 1,0	10.4	96.0	147
0168 067	6 x 2 x 1,0	11.3	115.2	172
0168 068	7 x 2 x 1,0	11.3	134.4	193
0168 069	8 x 2 x 1,0	12.3	153.6	224
0168 070	10 x 2 x 1,0	14.2	192.0	282
0168 071	12 x 2 x 1,0	14.9	230.4	327
0168 072	16 x 2 x 1,0	16.9	307.2	423
0168 038	2 x 2 x 1,5	9.0	57.6	98
0168 073	3 x 2 x 1,5	9.9	86.4	133
0168 074	4 x 2 x 1,5	10.9	115.2	168
0168 075	5 x 2 x 1,5	12.3	144.0	210
0168 076	6 x 2 x 1,5	13.4	172.8	246
0168 077	7 x 2 x 1,5	13.4	201.6	278
0168 078	8 x 2 x 1,5	14.5	230.4	320
0168 079	12 x 2 x 1,5	17.4	345.6	460

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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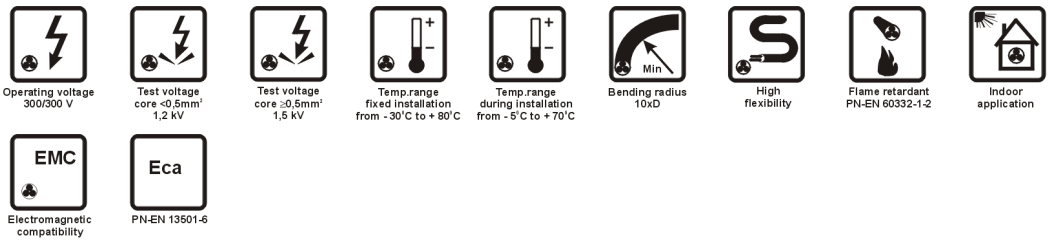
TECHNOTRONIK LiYCY



APPLICATIONS

TECHNOTRONIK LiYCY are overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

The cables are designed to offer high flexibility and small outer diameter combined with tensile strength.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiYCEY - cables with flexible drain wire stranded of tin-plated annealed copper wires, laid under a shield.

TECHNOTRONIK LiYCY-O and **TECHNOTRONIK LiYCEY-O** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiYC11Y and **TECHNOTRONIK LiYCE11Y** - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK LiHCH and TECHNOTRONIK LiHCEH - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOTRONIK IB-LiYCY - specially designed intrinsically safe cable.

CHARACTERISTICS

Conductor cross-section	mm²	0.14	0.25	0.34	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	350	350	350	500	500	500	500	500
Voltage test	V rms	1200	1200	1200	1500	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	144.0	79.0	57.0	39.0	26.0	19.5	13.3	7.98
Capacitance between conductors at 1 kHz, appr.	nF/km	90	100	110	110	120	130	140	140

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, WT-TK-31
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0112 004	2 x 0,14	3.5	7.5	17
0112 006	3 x 0,14	3.6	9.4	20
0112 007	4 x 0,14	3.9	11.8	24
0112 010	5 x 0,14	4.2	13.2	27
0112 012	6 x 0,14	4.5	16.1	32
0112 013	7 x 0,14	4.5	17.5	33
0112 014	8 x 0,14	4.8	18.8	36
0112 016	10 x 0,14	5.7	23.1	46
0112 017	12 x 0,14	5.9	25.8	51
0112 018	14 x 0,14	6.1	28.5	55
0112 020	16 x 0,14	6.4	31.7	62
0112 021	18 x 0,14	6.8	35.2	69
0112 023	20 x 0,14	7.1	38.5	75
0112 211	21 x 0,14	7.1	39.8	75
0112 028	27 x 0,14	8.0	53.4	95
0112 030	30 x 0,14	8.3	58.3	103
0112 032	36 x 0,14	8.9	67.9	120
0112 033	40 x 0,14	9.6	74.0	138
0112 212	44 x 0,14	10.3	81.2	151
0112 213	48 x 0,14	10.5	87.1	160
0112 214	52 x 0,14	10.8	93.2	170
0112 215	56 x 0,14	11.1	99.6	181

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0112 216	61 x 0,14	11.4	106.9	192
0112 036	2 x 0,25	3.8	10.2	21
0112 037	3 x 0,25	4.0	13.6	26
0112 038	4 x 0,25	4.3	16.0	30
0112 039	5 x 0,25	4.6	20.1	36
0112 040	6 x 0,25	5.2	22.5	44
0112 041	7 x 0,25	5.2	24.9	45
0112 042	8 x 0,25	5.5	27.6	50
0112 043	10 x 0,25	6.4	34.2	60
0112 044	12 x 0,25	6.5	39.2	67
0112 155	14 x 0,25	6.9	44.8	76
0112 045	16 x 0,25	7.2	50.2	85
0112 046	18 x 0,25	7.7	59.6	98
0112 047	20 x 0,25	8.0	65.1	108
0112 217	21 x 0,25	8.0	67.5	108
0112 218	24 x 0,25	8.8	76.8	122
0112 219	27 x 0,25	9.0	84.6	133
0112 220	30 x 0,25	9.7	92.5	153
0112 049	36 x 0,25	10.4	108.7	179
0112 173	40 x 0,25	10.8	119.4	193
0112 221	44 x 0,25	11.8	131.0	217
0112 222	48 x 0,25	12.0	141.1	231

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0112 223	52 x 0,25	12.3	151.9	246
0112 224	56 x 0,25	12.7	162.1	263
0112 225	61 x 0,25	13.0	174.9	280
0112 132	2 x 0,34	4.0	12.9	25
0112 133	3 x 0,34	4.2	16.2	30
0112 134	4 x 0,34	4.5	21.1	36
0112 135	5 x 0,34	4.9	24.4	43
0112 136	6 x 0,34	5.5	28.0	52
0112 137	7 x 0,34	5.5	31.2	54
0112 138	8 x 0,34	5.9	35.8	61
0112 139	10 x 0,34	6.8	43.6	74
0112 140	12 x 0,34	7.0	50.5	84
0112 152	14 x 0,34	7.3	57.7	94
0112 163	16 x 0,34	7.8	68.9	110
0112 141	18 x 0,34	8.2	76.4	122
0112 130	20 x 0,34	8.6	84.2	135
0112 181	21 x 0,34	8.6	87.5	136
0112 226	27 x 0,34	10.1	109.8	178
0112 227	30 x 0,34	10.4	120.2	193
0112 228	36 x 0,34	11.2	141.9	226
0112 142	40 x 0,34	11.8	156.0	250
0112 229	44 x 0,34	12.7	171.4	274
0112 230	48 x 0,34	12.9	184.9	293
0112 231	52 x 0,34	13.2	198.8	312
0112 232	56 x 0,34	13.6	212.9	334
0112 143	61 x 0,34	14.2	230.2	364
0112 051	1 x 0,5	3.0	8.8	17
0112 052	2 x 0,5	4.5	17.7	30
0112 053	3 x 0,5	4.7	22.4	37
0112 054	4 x 0,5	5.3	27.3	46
0112 055	5 x 0,5	5.8	33.7	57
0112 056	6 x 0,5	6.3	38.8	66
0112 057	7 x 0,5	6.3	43.6	69
0112 058	8 x 0,5	6.7	49.2	79
0112 059	10 x 0,5	7.9	64.9	98
0112 060	12 x 0,5	8.1	75.0	111
0112 061	14 x 0,5	8.5	86.2	126
0112 062	16 x 0,5	9.0	96.6	141
0112 063	18 x 0,5	9.9	108.1	168

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0112 064	20 x 0,5	10.3	118.1	184
0112 065	21 x 0,5	10.3	122.9	187
0112 067	27 x 0,5	11.8	155.0	235
0112 068	30 x 0,5	12.2	170.5	255
0112 069	36 x 0,5	13.2	201.8	301
0112 070	40 x 0,5	13.6	222.1	326
0112 233	42 x 0,5	14.3	233.0	355
0112 234	44 x 0,5	15.0	250.8	369
0112 235	48 x 0,5	15.2	270.7	394
0112 236	52 x 0,5	15.6	291.1	421
0112 237	56 x 0,5	16.1	312.2	451
0112 238	61 x 0,5	16.6	337.4	482
0112 074	2 x 0,75	4.9	22.4	36
0112 075	3 x 0,75	5.3	29.7	47
0112 077	4 x 0,75	5.8	38.5	58
0112 080	5 x 0,75	6.3	46.0	70
0112 081	6 x 0,75	6.8	54.2	83
0112 083	7 x 0,75	6.8	61.4	87
0112 084	8 x 0,75	7.3	69.6	100
0112 085	10 x 0,75	8.6	91.0	124
0112 086	12 x 0,75	8.9	105.9	142
0112 088	16 x 0,75	10.2	137.0	191
0112 090	20 x 0,75	11.3	168.6	235
0112 091	24 x 0,75	12.7	200.5	275
0112 239	27 x 0,75	12.9	222.7	301
0112 072	30 x 0,75	13.4	245.6	328
0112 093	34 x 0,75	14.6	276.9	387
0112 240	36 x 0,75	14.6	291.3	395
0112 241	40 x 0,75	15.2	328.3	437
0112 094	2 x 1,0	5.4	27.4	44
0112 096	3 x 1,0	5.7	38.5	57
0112 097	4 x 1,0	6.2	48.2	69
0112 176	5 x 1,0	6.8	59.0	86
0112 099	6 x 1,0	7.3	69.6	101
0112 100	7 x 1,0	7.3	79.2	107
0112 101	8 x 1,0	8.0	93.9	130
0112 102	10 x 1,0	9.7	116.5	162
0112 103	12 x 1,0	10.0	136.9	185
0112 104	14 x 1,0	10.5	157.0	209

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0112 105	16 x 1,0	11.1	178.0	237
0112 106	18 x 1,0	11.9	198.5	270
0112 202	19 x 1,0	11.9	208.1	276
0112 107	20 x 1,0	12.4	219.1	297
0112 203	21 x 1,0	12.4	228.7	304
0112 164	22 x 1,0	13.0	239.7	327
0112 108	24 x 1,0	14.0	261.0	349
0112 109	25 x 1,0	14.3	271.4	371
0112 110	27 x 1,0	14.3	290.6	382
0112 146	30 x 1,0	14.9	327.4	424
0112 242	36 x 1,0	16.0	388.4	501
0112 112	2 x 1,5	6.2	38.6	58
0112 113	3 x 1,5	6.5	53.6	75
0112 114	4 x 1,5	7.1	69.2	94
0112 115	5 x 1,5	7.9	88.9	119
0112 116	6 x 1,5	8.5	105.4	142
0112 117	7 x 1,5	8.5	119.8	151
0112 253	8 x 1,5	9.6	135.4	184
0112 118	9 x 1,5	11.2	154.0	212
0112 119	10 x 1,5	11.2	168.4	220
0112 120	12 x 1,5	11.8	198.2	260
0112 186	14 x 1,5	12.4	228.7	295
0112 121	16 x 1,5	13.0	258.9	333

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0112 147	18 x 1,5	13.7	289.5	372
0112 210	19 x 1,5	13.7	303.9	381
0112 122	20 x 1,5	14.6	320.1	420
0112 243	21 x 1,5	14.6	334.5	429
0112 244	24 x 1,5	16.3	389.3	490
0112 150	25 x 1,5	16.6	404.6	521
0112 123	37 x 1,5	18.8	583.6	717
0112 124	2 x 2,5	7.0	59.4	79
0112 125	3 x 2,5	7.4	84.2	105
0112 126	4 x 2,5	8.2	113.7	136
0112 145	5 x 2,5	9.0	139.8	170
0112 245	6 x 2,5	10.2	165.8	213
0112 127	7 x 2,5	10.2	189.8	227
0112 246	10 x 2,5	13.1	268.8	323
0112 247	12 x 2,5	13.6	318.1	375
0112 172	14 x 2,5	14.5	367.9	435
0112 248	16 x 2,5	15.3	424.6	499
0112 249	19 x 2,5	16.2	499.4	573
0112 250	24 x 2,5	19.1	627.7	724
0112 251	27 x 2,5	19.5	701.0	799
0112 252	30 x 2,5	20.2	775.1	877
0112 079	32 x 2,5	21.0	825.6	963

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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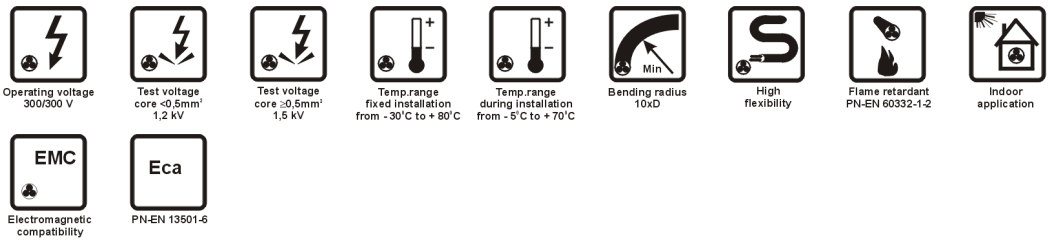
TECHNOTRONIK LiYCY-P



Operating voltage 300/300 V
Test voltage core <0,5mm² 1,2 kV
Test voltage core ≥0,5mm² 1,5 kV
Temp.range fixed installation from - 30°C to + 80°C
Temp.range during installation from - 5°C to + 70°C
Bending radius 10xD
High flexibility
Flame retardant PN-EN 60332-1-2
Indoor application
Electromagnetic compatibility
PN-EN 13501-6

APPLICATIONS

TECHNOTRONIK LiYCY-P are multipair overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

The cables are designed to offer high flexibility and small outer diameter combined with tensile strength.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiYCEY-P - cables with flexible drain wire stranded of tin-plated annealed copper wires, laid under a shield.

TECHNOTRONIK LiYCY-P-O and **TECHNOTRONIK LiYCEY-P-O** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiYC11Y-P and **TECHNOTRONIK LiYCE11Y-P** - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK IB-LiYCY-P - specially designed intrinsically safe cable.

CHARACTERISTICS

Conductor cross-section	mm²	0.14	0.25	0.34	0.5	0.75	1.0	1.5
Operating voltage, peak value	V	350	350	350	500	500	500	500
Voltage test	V rms	1200	1200	1200	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	281.5	161.2	116.3	79.6	53.3	39.8	27.1
Mutual capacitance at 1 kHz, approximate	nF/km	90	100	100	110	120	130	140

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Capacitance unbalance, maximum	300 pF/100 m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, WT-TK-33
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0130 003	2 x 2 x 0,14	4.9	13.4	31
0130 004	3 x 2 x 0,14	5.4	16.2	36
0130 007	4 x 2 x 0,14	5.8	20.4	42
0130 008	5 x 2 x 0,14	6.3	23.4	48
0130 009	6 x 2 x 0,14	6.9	27.3	56
0130 011	7 x 2 x 0,14	6.9	30.0	60
0130 012	8 x 2 x 0,14	7.3	33.5	66
0130 013	10 x 2 x 0,14	8.3	44.8	83
0130 014	12 x 2 x 0,14	8.7	51.2	93
0130 015	14 x 2 x 0,14	9.6	57.9	114
0130 016	16 x 2 x 0,14	10.1	64.7	125
0130 017	18 x 2 x 0,14	10.6	71.2	137
0130 018	20 x 2 x 0,14	11.1	78.1	148
0130 105	25 x 2 x 0,14	12.3	94.3	181
0130 019	2 x 2 x 0,25	5.6	19.3	41
0130 021	3 x 2 x 0,25	5.9	24.1	46
0130 022	4 x 2 x 0,25	6.5	29.6	55
0130 023	5 x 2 x 0,25	7.1	35.6	65
0130 024	6 x 2 x 0,25	7.8	45.4	78

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0130 025	8 x 2 x 0,25	8.2	56.1	93
0130 026	10 x 2 x 0,25	9.7	68.5	122
0130 027	12 x 2 x 0,25	10.1	79.3	137
0130 106	16 x 2 x 0,25	11.4	101.7	172
0130 020	25 x 2 x 0,25	14.1	150.9	259
0130 028	31 x 2 x 0,25	15.5	190.0	314
0130 065	2 x 2 x 0,34	6.0	22.7	47
0130 066	3 x 2 x 0,34	6.3	29.6	54
0130 067	4 x 2 x 0,34	6.9	37.3	67
0130 068	5 x 2 x 0,34	7.7	49.0	83
0130 102	6 x 2 x 0,34	8.3	57.1	95
0130 107	8 x 2 x 0,34	8.8	71.4	115
0130 069	10 x 2 x 0,34	10.4	87.6	150
0130 108	12 x 2 x 0,34	10.9	101.9	170
0130 070	16 x 2 x 0,34	12.4	131.5	220
0130 029	2 x 2 x 0,5	6.9	30.4	59
0130 030	3 x 2 x 0,5	7.3	40.8	69
0130 031	4 x 2 x 0,5	8.1	55.8	88
0130 032	5 x 2 x 0,5	8.8	67.2	104

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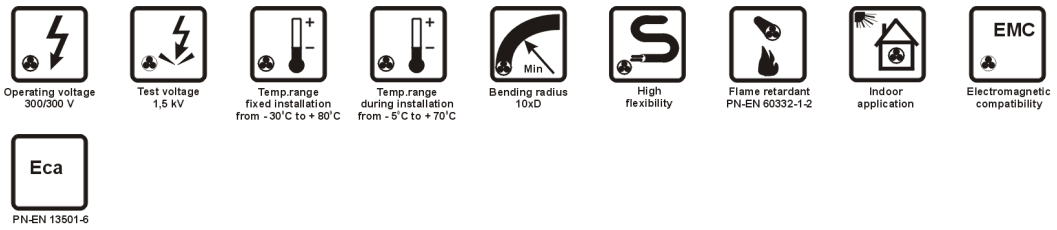
Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0130 033	6 x 2 x 0,5	10.0	79.3	131
0130 034	7 x 2 x 0,5	10.0	88.9	143
0130 035	8 x 2 x 0,5	10.6	99.7	158
0130 037	10 x 2 x 0,5	12.2	122.5	197
0130 038	12 x 2 x 0,5	12.8	143.2	225
0130 098	14 x 2 x 0,5	13.6	164.5	254
0130 039	16 x 2 x 0,5	14.6	185.7	291
0130 040	18 x 2 x 0,5	15.4	213.7	327
0130 100	19 x 2 x 0,5	15.8	224.5	342
0130 041	20 x 2 x 0,5	16.1	235.4	357
0130 042	24 x 2 x 0,5	17.4	277.5	414
0130 043	30 x 2 x 0,5	19.4	340.7	510
0130 044	2 x 2 x 0,75	7.5	41.2	76
0130 045	3 x 2 x 0,75	8.0	60.3	89
0130 046	4 x 2 x 0,75	8.8	76.8	110
0130 047	5 x 2 x 0,75	10.1	93.7	141
0130 048	6 x 2 x 0,75	10.9	110.0	163
0130 049	7 x 2 x 0,75	10.9	124.4	179
0130 050	8 x 2 x 0,75	11.8	140.6	206
0130 051	10 x 2 x 0,75	13.4	173.6	250
0130 052	12 x 2 x 0,75	14.2	203.9	293
0130 090	14 x 2 x 0,75	15.2	241.9	339
0130 077	16 x 2 x 0,75	16.1	273.8	379
0130 078	18 x 2 x 0,75	16.9	304.7	418
0130 094	20 x 2 x 0,75	17.7	336.0	457
0130 053	2 x 2 x 1,0	8.2	56.1	93
0130 054	3 x 2 x 1,0	8.7	76.6	108
0130 055	4 x 2 x 1,0	9.9	98.5	144
0130 056	5 x 2 x 1,0	10.9	119.6	171
0130 057	6 x 2 x 1,0	12.0	141.1	205
0130 058	7 x 2 x 1,0	12.0	160.3	226
0130 074	8 x 2 x 1,0	12.8	181.6	253
0130 059	10 x 2 x 1,0	14.7	224.4	315
0130 095	12 x 2 x 1,0	15.5	271.6	369
0130 075	14 x 2 x 1,0	16.5	313.1	419
0130 060	20 x 2 x 1,0	19.5	437.0	579
0130 061	2 x 2 x 1,5	9.9	79.3	130
0130 062	3 x 2 x 1,5	10.4	108.7	156
0130 092	4 x 2 x 1,5	11.4	140.1	193
0130 063	5 x 2 x 1,5	12.8	172.0	239
0130 093	6 x 2 x 1,5	14.1	203.7	285
0130 103	7 x 2 x 1,5	14.1	232.5	316
0130 109	8 x 2 x 1,5	15.1	270.4	361
0130 104	12 x 2 x 1,5	18.2	394.5	517

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

TECHNOTRONIK LiYYCY



APPLICATIONS

TECHNOTRONIK LiYYCY are overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

Cable inner sheath offers enhanced protection against mechanical damage.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- inner PVC sheath,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiYYCY-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiYYC11Y - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK LiHHCH - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOTRONIK IB-LiYYCY - specially designed intrinsically safe cable.

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CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5
Operating voltage, peak value	V	500	500	500	500
Voltage test	V rms	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3
Capacitance between conductors at 1 kHz, appr.	nF/km	110	120	130	130

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, WT-TK-31
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0171 016	1 x 0,5	4.4	11.4	29
0171 009	2 x 0,5	6.1	19.3	49
0171 010	3 x 0,5	6.3	24.4	57
0171 011	4 x 0,5	6.7	30.0	66
0171 017	5 x 0,5	7.2	35.8	78
0171 018	6 x 0,5	7.8	45.4	93
0171 019	7 x 0,5	7.8	50.2	96
0171 020	8 x 0,5	8.2	56.1	107
0171 021	10 x 0,5	9.7	68.5	135
0171 022	12 x 0,5	9.9	79.3	149
0171 023	16 x 0,5	10.8	100.2	182
0171 024	24 x 0,5	13.0	143.7	252
0171 025	25 x 0,5	13.2	149.0	267
0171 026	27 x 0,5	13.2	158.6	272
0171 027	37 x 0,5	14.9	217.0	358
0171 028	40 x 0,5	15.3	232.6	382
0171 029	48 x 0,5	16.6	275.0	441
0171 030	1 x 0,75	4.5	15.3	33
0171 006	2 x 0,75	6.5	24.8	57

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0171 007	3 x 0,75	6.7	32.4	66
0171 012	4 x 0,75	7.2	40.6	79
0171 031	5 x 0,75	7.8	52.6	97
0171 032	6 x 0,75	8.3	61.1	111
0171 033	7 x 0,75	8.3	68.3	115
0171 034	8 x 0,75	8.8	76.8	130
0171 035	10 x 0,75	10.4	94.3	163
0171 004	12 x 0,75	10.7	109.5	182
0171 036	16 x 0,75	11.8	140.6	230
0171 037	24 x 0,75	14.3	204.2	321
0171 038	25 x 0,75	14.5	211.9	339
0171 039	27 x 0,75	14.5	226.3	347
0171 040	36 x 0,75	16.1	302.6	447
0171 041	37 x 0,75	16.1	309.8	451
0171 042	1 x 1,0	4.7	17.6	37
0171 043	2 x 1,0	6.8	30.2	64
0171 044	3 x 1,0	7.1	40.4	77
0171 001	4 x 1,0	7.7	54.8	95
0171 045	5 x 1,0	8.3	65.9	113

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0171 046	6 x 1,0	8.8	76.8	131
0171 047	7 x 1,0	8.8	86.4	136
0171 048	8 x 1,0	9.8	97.5	164
0171 049	10 x 1,0	11.1	120.4	194
0171 050	12 x 1,0	11.4	140.1	217
0171 051	16 x 1,0	12.7	181.3	278
0171 052	24 x 1,0	15.5	271.6	398
0171 053	25 x 1,0	15.8	282.1	422
0171 054	27 x 1,0	15.8	301.3	432
0171 055	1 x 1,5	5.3	22.5	46
0171 056	2 x 1,5	7.7	45.2	84

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0171 003	3 x 1,5	8.0	60.3	102
0171 013	4 x 1,5	8.6	76.6	122
0171 057	5 x 1,5	9.7	92.5	155
0171 058	6 x 1,5	10.3	108.5	180
0171 014	7 x 1,5	10.3	122.9	188
0171 008	8 x 1,5	11.0	139.6	216
0171 015	10 x 1,5	12.8	172.0	262
0171 059	12 x 1,5	13.2	201.8	296
0171 060	16 x 1,5	14.6	262.5	379
0171 061	24 x 1,5	17.7	393.6	538
0171 062	25 x 1,5	21.7	470.4	827.0

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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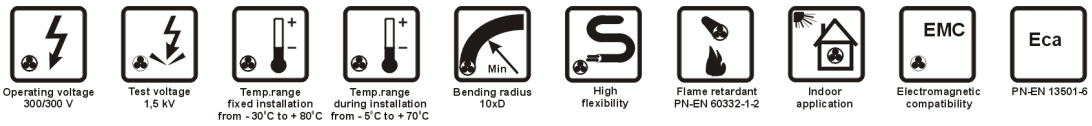
TECHNOTRONIK LiY(St)CY



APPLICATIONS

TECHNOTRONIK LiY(St)CY are overall double shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- collective shield incorporating aluminium-polyester tape under tinned copper wire braid of coverage bigger than 60%,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiY(St)CY-Nr – cable with black conductor insulation and white conductor numbers printed on it for identification.

TECHNOTRONIK LiY(St)CY-O – cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiY(St)C11Y – polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK LiH(St)CH – halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOTRONIK IB-LiY(St)CY – specially designed intrinsically safe cable.

CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	500	500	500	500	500
Voltage test	V rms	1500	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98
Capacitance between conductors at 1 kHz, appr.	nF/km	110	120	130	140	140

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, WT-TK-31
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0083 009	2 x 0,5	4.6	16.0	30
0083 003	3 x 0,5	4.8	20.8	36
0083 010	4 x 0,5	5.4	25.9	46
0083 004	5 x 0,5	5.9	32.0	56
0083 011	6 x 0,5	6.4	37.1	66
0083 012	7 x 0,5	6.4	41.9	68
0083 013	8 x 0,5	6.8	48.1	80
0083 014	10 x 0,5	7.9	58.7	94
0083 015	12 x 0,5	8.1	68.6	107
0083 016	16 x 0,5	9.0	89.3	136
0083 017	19 x 0,5	10.0	108.5	169
0083 018	21 x 0,5	10.4	119.8	186
0083 019	27 x 0,5	11.9	150.5	233
0083 020	36 x 0,5	13.3	197.2	299
0083 021	48 x 0,5	15.2	257.8	385
0083 022	2 x 0,75	5.2	20.8	38
0083 023	3 x 0,75	5.4	28.3	47
0083 024	4 x 0,75	5.9	36.8	58
0083 025	5 x 0,75	6.4	44.3	69

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0083 026	6 x 0,75	6.9	52.9	84
0083 027	7 x 0,75	6.9	60.1	88
0083 028	8 x 0,75	7.4	67.5	100
0083 029	10 x 0,75	8.6	83.8	119
0083 030	12 x 0,75	8.9	98.7	137
0083 031	16 x 0,75	10.3	133.1	190
0083 032	19 x 0,75	10.9	156.0	216
0083 033	24 x 0,75	12.8	195.5	273
0083 034	27 x 0,75	13.0	217.6	299
0083 035	34 x 0,75	14.7	271.1	385
0083 036	36 x 0,75	14.7	285.5	393
0083 037	2 x 1,0	5.5	27.2	45
0083 005	3 x 1,0	5.8	36.8	57
0083 038	4 x 1,0	6.3	46.5	69
0083 039	5 x 1,0	6.9	57.7	86
0083 006	6 x 1,0	7.4	67.5	101
0083 040	7 x 1,0	7.4	77.1	106
0083 007	10 x 1,0	9.8	112.9	161
0083 041	12 x 1,0	10.1	132.7	183

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0083 042	16 x 1,0	11.2	173.4	235
0083 043	21 x 1,0	12.5	223.7	301
0083 044	25 x 1,0	14.4	265.7	369
0083 045	27 x 1,0	14.4	284.9	380
0083 046	36 x 1,0	16.0	374.7	491
0083 047	2 x 1,5	6.3	36.9	57
0083 048	3 x 1,5	6.6	52.9	75
0083 049	4 x 1,5	7.2	67.3	93
0083 050	5 x 1,5	7.9	82.7	115
0083 051	6 x 1,5	8.5	98.1	137
0083 052	7 x 1,5	8.5	112.5	146
0083 053	8 x 1,5	9.7	131.9	183

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0083 054	12 x 1,5	11.9	193.7	258
0083 055	16 x 1,5	13.1	253.8	331
0083 056	19 x 1,5	14.0	298.4	385
0083 057	21 x 1,5	14.7	328.7	426
0083 058	24 x 1,5	16.3	375.3	480
0083 059	25 x 1,5	16.6	390.3	510
0083 060	37 x 1,5	18.9	574.3	712
0083 008	2 x 2,5	7.1	57.7	79
0083 061	3 x 2,5	7.5	82.1	105
0083 062	4 x 2,5	8.2	107.2	132
0083 063	5 x 2,5	9.0	132.5	165
0083 064	12 x 2,5	13.7	312.6	372

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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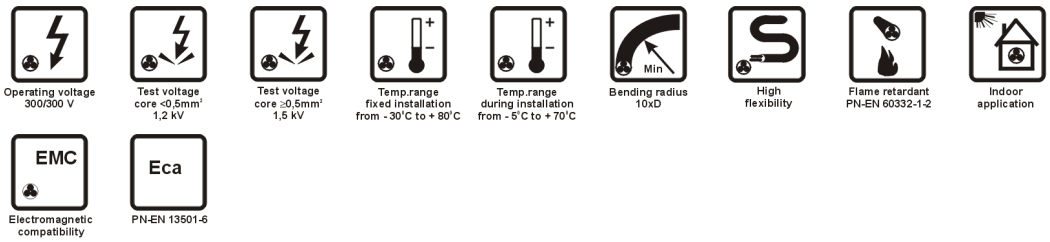
TECHNOTRONIK LiYC-CY-P



APPLICATIONS

TECHNOTRONIK LiYC-CY-P are multipair, pair and overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

The cables are designed to offer high flexibility and small outer diameter combined with tensile strength.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors twisted into pairs,
- pairs wrapped in polyester tape,
- pairs shielded by tinned copper wire braid of effective density coverage,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiYC-CY-P-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiYC-C11Y- P - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK IB-LiYC-CY-P - specially designed intrinsically safe cable.

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CHARACTERISTICS

Conductor cross-section	mm²	0.14	0.25	0.34	0.5	0.75	1.0	1.5
Operating voltage, peak value	V	350	350	350	500	500	500	500
Voltage test	V rms	1200	1200	1200	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	293.8	161.2	116.3	79.6	53.0	39.8	27.1
Capacitance between conductors at 1 kHz, appr.	nF/km	200	210	210	220	240	250	250

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Capacitance unbalance, maximum	300 pF/100 m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, WT-TK-33
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1220 004	2 x 2 x 0,14	6.4	25.4	50
1220 005	3 x 2 x 0,14	6.7	33.6	57
1220 006	4 x 2 x 0,14	7.3	42.4	69
1220 007	5 x 2 x 0,14	8.1	55.4	86
1220 008	6 x 2 x 0,14	8.8	64.8	99
1220 009	8 x 2 x 0,14	9.8	81.6	130
1220 010	12 x 2 x 0,14	11.8	116.5	183
1220 011	16 x 2 x 0,14	13.2	150.5	229
1220 012	25 x 2 x 0,14	16.3	233.5	345
1220 013	2 x 2 x 0,25	7.1	32.2	65
1220 014	3 x 2 x 0,25	7.5	43.2	70
1220 002	4 x 2 x 0,25	8.4	60.1	91
1220 015	5 x 2 x 0,25	9.6	71.6	116
1220 016	6 x 2 x 0,25	10.4	84.0	133
1220 017	8 x 2 x 0,25	11.0	106.6	161
1220 018	12 x 2 x 0,25	13.3	152.3	229
1220 019	16 x 2 x 0,25	15.3	204.6	302
1220 020	25 x 2 x 0,25	18.6	306.5	443
1220 021	2 x 2 x 0,34	7.5	38.6	73

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
1220 022	3 x 2 x 0,34	8.0	56.4	86
1220 023	4 x 2 x 0,34	8.8	71.6	106
1220 024	5 x 2 x 0,34	10.1	87.1	136
1220 025	6 x 2 x 0,34	11.0	103.0	158
1220 026	8 x 2 x 0,34	11.8	130.2	198
1220 027	12 x 2 x 0,34	14.2	188.0	281
1220 028	16 x 2 x 0,34	16.1	252.6	363
1220 029	2 x 2 x 0,5	8.6	54.7	92
1220 030	3 x 2 x 0,5	9.1	73.5	107
1220 031	4 x 2 x 0,5	10.4	93.6	142
1220 032	5 x 2 x 0,5	11.4	114.1	169
1220 033	6 x 2 x 0,5	12.6	134.4	201
1220 034	8 x 2 x 0,5	13.4	172.2	247
1220 035	12 x 2 x 0,5	16.2	257.0	360
1220 036	14 x 2 x 0,5	17.3	296.0	409
1220 037	16 x 2 x 0,5	18.5	334.7	466
1220 038	2 x 2 x 0,75	9.1	65.3	108
1220 039	3 x 2 x 0,75	10.1	89.6	133
1220 040	4 x 2 x 0,75	11.1	114.9	164

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1220 041	5 x 2 x 0,75	12.3	140.3	202
1220 042	6 x 2 x 0,75	13.4	165.3	234
1220 043	7 x 2 x 0,75	13.4	188.0	258
1220 044	8 x 2 x 0,75	14.5	212.9	296
1220 045	12 x 2 x 0,75	17.3	318.0	421
1220 046	16 x 2 x 0,75	19.8	415.6	547
1220 003	2 x 2 x 1,0	10.3	77.4	133
1220 047	3 x 2 x 1,0	10.9	106.5	154
1220 001	4 x 2 x 1,0	12.2	137.0	197
1220 048	5 x 2 x 1,0	13.4	167.7	235
1220 049	6 x 2 x 1,0	14.9	205.1	287
1220 050	7 x 2 x 1,0	14.9	232.7	317
1220 051	8 x 2 x 1,0	15.8	263.1	353
1220 052	12 x 2 x 1,0	19.1	382.9	505
1220 053	2 x 2 x 1,5	11.8	103.1	179
1220 054	3 x 2 x 1,5	12.5	143.7	205
1220 055	4 x 2 x 1,5	14.0	185.8	262
1220 056	5 x 2 x 1,5	15.5	235.1	320
1220 057	6 x 2 x 1,5	16.9	278.2	373
1220 058	7 x 2 x 1,5	16.9	317.0	414
1220 059	8 x 2 x 1,5	18.2	359.2	473
1220 060	12 x 2 x 1,5	21.7	524.8	667

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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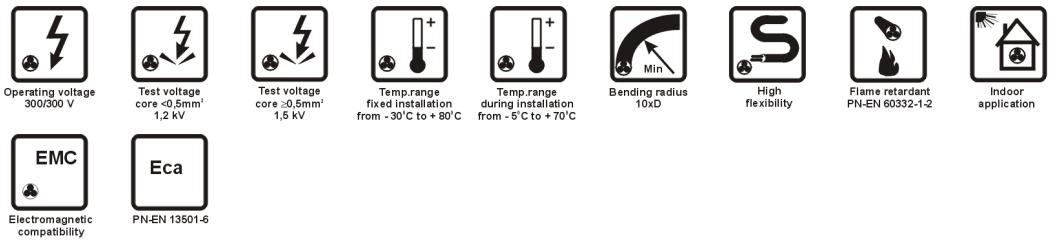
TECHNOTRONIK LiYCY-CY-P



APPLICATIONS

TECHNOTRONIK LiYCY-CY-P are multipair, pair and overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

The cables are designed to offer high flexibility and small outer diameter combined with tensile strength.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors twisted into pairs,
- pairs wrapped in polyester tape,
- pairs shielded by tinned copper wire braid of effective density coverage,
- shielded pairs sheathed with PVC to insulate one shield from another,
- shielded and sheathed pairs laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiYCY-CY-P-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiYCY-C11Y- P - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK IB-LiYCY-CY-P - specially designed intrinsically safe cable.

CHARACTERISTICS

Conductor cross-section	mm²	0.14	0.25	0.34	0.5	0.75	1.0	1.5
Operating voltage, peak value	V	350	350	350	500	500	500	500
Voltage test	V rms	1200	1200	1200	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	293.8	161.2	116.3	79.6	53.0	39.8	27.1
Mutual capacitance at 1 kHz, approximate	nF/km	200	210	210	220	240	250	250

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Capacitance unbalance, maximum	300 pF/100 m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, WT-TK-33
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0119 024	2 x 2 x 0,14	7.8	31.9	75
0119 025	3 x 2 x 0,14	8.2	40.5	83
0119 026	4 x 2 x 0,14	9.0	50.2	102
0119 027	5 x 2 x 0,14	10.3	60.1	131
0119 028	6 x 2 x 0,14	11.2	70.0	151
0119 029	8 x 2 x 0,14	12.2	87.3	191
0119 030	12 x 2 x 0,14	14.6	123.3	270
0119 031	16 x 2 x 0,14	16.6	166.1	348
0119 032	25 x 2 x 0,14	20.3	245.3	512
0119 006	2 x 2 x 0,25	8.6	39.5	91
0119 033	3 x 2 x 0,25	9.1	50.8	99
0119 007	4 x 2 x 0,25	10.4	63.4	133
0119 017	5 x 2 x 0,25	11.4	76.3	157
0119 034	6 x 2 x 0,25	12.6	89.1	187
0119 035	8 x 2 x 0,25	13.4	111.8	228
0119 001	12 x 2 x 0,25	16.2	166.4	331
0119 036	16 x 2 x 0,25	18.5	214.0	428
0119 037	25 x 2 x 0,25	22.9	341.2	654
0119 038	2 x 2 x 0,34	8.9	45.7	100

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0119 039	3 x 2 x 0,34	9.9	61.0	123
0119 018	4 x 2 x 0,34	10.8	75.7	150
0119 040	5 x 2 x 0,34	12.1	91.7	185
0119 041	6 x 2 x 0,34	13.2	107.6	214
0119 042	8 x 2 x 0,34	14.2	135.9	269
0119 043	12 x 2 x 0,34	17.0	202.8	382
0119 044	16 x 2 x 0,34	19.4	261.9	495
0119 011	2 x 2 x 0,5	10.3	57.7	132
0119 045	3 x 2 x 0,5	10.9	77.1	146
0119 012	4 x 2 x 0,5	12.2	97.8	187
0119 008	5 x 2 x 0,5	13.4	118.7	222
0119 046	6 x 2 x 0,5	14.9	146.3	272
0119 002	8 x 2 x 0,5	15.8	184.7	333
0119 019	12 x 2 x 0,5	19.1	265.5	475
0119 047	14 x 2 x 0,5	20.4	305.1	540
0119 048	16 x 2 x 0,5	21.6	344.4	604
0119 049	2 x 2 x 0,75	10.9	68.9	149
0119 005	3 x 2 x 0,75	11.5	93.1	165
0119 050	4 x 2 x 0,75	12.9	118.8	211

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0119 051	5 x 2 x 0,75	14.3	144.5	259
0119 020	6 x 2 x 0,75	15.7	177.6	308
0119 052	7 x 2 x 0,75	15.7	200.3	340
0119 053	8 x 2 x 0,75	16.8	226.2	381
0119 016	12 x 2 x 0,75	20.2	326.4	544
0119 054	16 x 2 x 0,75	23.3	448.1	728
0119 009	1 x 2 x 1,0	7.4	51.0	90
0119 003	2 x 2 x 1,0	11.8	80.7	172
0119 021	3 x 2 x 1,0	12.5	110.2	194
0119 015	4 x 2 x 1,0	14.0	141.1	248
0119 055	5 x 2 x 1,0	15.5	179.3	304
0119 056	6 x 2 x 1,0	16.9	211.3	353

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0119 057	7 x 2 x 1,0	16.9	238.9	391
0119 014	8 x 2 x 1,0	18.2	270.0	446
0119 022	12 x 2 x 1,0	21.7	391.0	627
0119 013	18 x 2 x 1,0	29.4	641.0	1040
0119 004	2 x 2 x 1,5	13.2	106.7	216
0119 058	3 x 2 x 1,5	14.2	147.5	251
0119 023	4 x 2 x 1,5	15.7	197.0	319
0119 059	5 x 2 x 1,5	17.3	240.7	383
0119 060	6 x 2 x 1,5	19.1	284.5	456
0119 061	7 x 2 x 1,5	19.1	323.3	507
0119 062	8 x 2 x 1,5	20.4	366.1	568
0119 010	12 x 2 x 1,5	24.7	556.7	836

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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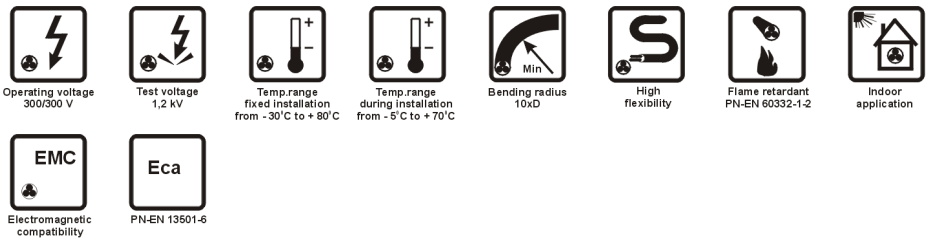
TECHNOTRONIK LiY(St)-CY nx2x0,22 mm²



APPLICATIONS

TECHNOTRONIK LiY(St)-CY are multipair, pair and overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (7x0.2 mm),
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors twisted into pairs,
- electrostatic shield of pairs incorporating a plastic laminated metal foil,
- shielded pairs laid-up in layers,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiY(St)-CY-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOTRONIK LiY(St)-C11Y - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

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RoHS COMPLIANT CE

CHARACTERISTICS

Operating voltage Uo/U	300/300 V
Voltage test	1.2 kV rms
DC loop resistance at 20°C, maximum	184 Ω/km
Mutual capacitance at 1 kHz, approximate	160 nF/km
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from -5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0812, DIN VDE 0814, DT 83/11/05
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0082 003	2 x 2 x 0,22	6.1	21	43
0082 004	4 x 2 x 0,22	7.0	33	64
0082 005	5 x 2 x 0,22	7.8	38	77
0082 006	7 x 2 x 0,22	8.4	48	96
0082 007	10 x 2 x 0,22	10.4	78	145
0082 008	12 x 2 x 0,22	10.9	88	163

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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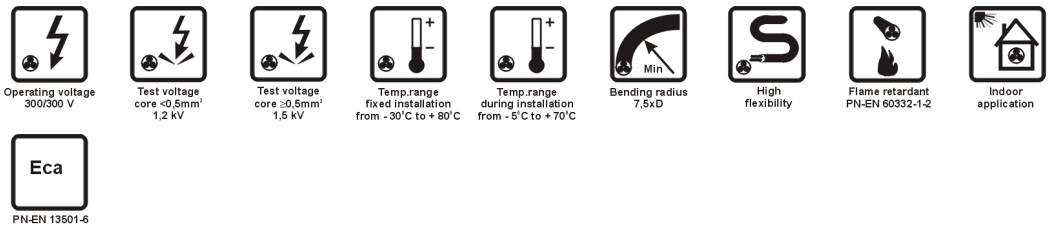
TECHNOKONTROL YKSLY



APPLICATIONS

TECHNOKONTROL YKSLY are control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-Nr - cables with black conductor insulation and white conductor numbers printed on it for identification, available for cross-section 0.5 mm^2 and bigger.

TECHNOKONTROL YKSLY-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLY - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLH - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL IB-YKSLY - specially designed intrinsically safe cable.

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0CHARACTERISTICS

Conductor cross-section	mm^2	0.35	0.5	0.75	1	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	55.4	39.0	26.0	19.5	13.3	7.98
Capacitance between conductors at 1 kHz, appr.	nF/km	100	100	120	120	130	130

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-14
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0283 060	2 x 0,35	3.6	6.7	17
0283 061	3 x 0,35	3.8	10.1	22
0283 062	4 x 0,35	4.1	13.4	26
0283 063	5 x 0,35	4.5	16.8	33
0283 002	6 x 0,35	4.8	20.2	39
0283 064	7 x 0,35	4.8	23.5	41
0283 065	8 x 0,35	5.4	26.9	48
0283 066	10 x 0,35	6.3	33.6	59
0283 067	12 x 0,35	6.5	40.3	69
0283 068	14 x 0,35	6.9	47.0	78
0283 069	16 x 0,35	7.2	53.8	88
0283 070	19 x 0,35	7.6	63.8	100
0283 071	20 x 0,35	8.0	67.2	110
0283 072	21 x 0,35	8.0	70.6	110
0283 073	24 x 0,35	8.9	80.6	125
0283 074	25 x 0,35	9.1	84.0	134
0283 075	27 x 0,35	9.1	90.7	138
0283 076	30 x 0,35	9.8	100.8	161
0283 077	32 x 0,35	10.2	107.5	174

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0283 078	33 x 0,35	10.2	110.9	176
0283 079	34 x 0,35	10.6	114.2	187
0283 080	37 x 0,35	10.6	124.3	192
0283 081	40 x 0,35	11.0	134.4	207
0283 082	42 x 0,35	11.3	141.1	221
0283 083	44 x 0,35	12.0	147.8	232
0283 084	48 x 0,35	12.2	161.3	249
0283 085	50 x 0,35	12.6	168.0	264
0283 086	52 x 0,35	12.6	174.7	268
0283 087	56 x 0,35	12.9	188.2	286
0283 088	61 x 0,35	13.3	205.0	307
0283 089	65 x 0,35	13.7	218.4	325
0283 090	75 x 0,35	15.0	252.0	379
0283 091	80 x 0,35	15.3	268.8	401
0283 092	100 x 0,35	16.9	336.0	496
0283 046	2 x 0,5	4.1	9.6	22
0283 052	3 x 0,5	4.3	14.4	28
0283 045	4 x 0,5	4.7	19.2	35
0283 093	5 x 0,5	5.4	24.0	47

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0283 094	6 x 0,5	5.9	28.8	56
0283 041	7 x 0,5	5.9	33.6	59
0283 095	8 x 0,5	6.3	38.4	68
0283 096	10 x 0,5	7.4	48.0	81
0283 047	12 x 0,5	7.6	57.6	94
0283 097	14 x 0,5	8.0	67.2	107
0283 098	16 x 0,5	8.5	76.8	122
0283 099	19 x 0,5	9.0	91.2	139
0283 044	20 x 0,5	9.8	96.0	162
0283 100	21 x 0,5	9.8	100.8	164
0283 057	24 x 0,5	10.9	115.2	184
0283 101	27 x 0,5	11.1	129.6	203
0283 102	30 x 0,5	11.5	144.0	222
0283 103	33 x 0,5	12.2	158.4	250
0283 104	37 x 0,5	12.7	177.6	274
0283 105	44 x 0,5	14.4	211.2	330
0283 106	48 x 0,5	14.6	230.4	354
0283 107	52 x 0,5	15.0	249.6	380
0283 108	56 x 0,5	15.5	268.8	407
0283 109	61 x 0,5	16.0	292.8	438
0283 110	65 x 0,5	16.4	312.0	466
0283 111	75 x 0,5	17.7	360.0	529
0283 112	80 x 0,5	18.3	384.0	570
0283 113	100 x 0,5	20.2	480.0	707
0283 006	2 x 0,75	4.5	14.4	27
0283 051	3 x 0,75	4.7	21.6	36
0283 007	4 x 0,75	5.4	28.8	48
0283 056	5 x 0,75	5.9	36.0	60
0283 054	7 x 0,75	6.4	50.4	76
0283 008	10 x 0,75	8.1	72.0	105
0283 114	12 x 0,75	8.4	86.4	122
0283 009	14 x 0,75	8.8	100.8	140
0283 058	16 x 0,75	9.7	115.2	169
0283 010	19 x 0,75	10.3	136.8	194
0283 115	24 x 0,75	12.2	172.8	247
0283 116	27 x 0,75	12.4	194.4	272
0283 011	30 x 0,75	12.9	216.0	299
0283 117	33 x 0,75	13.4	237.6	327
0283 118	37 x 0,75	14.1	266.4	367

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0283 119	44 x 0,75	15.8	316.8	432
0283 120	48 x 0,75	16.1	345.6	466
0283 121	52 x 0,75	16.6	374.4	501
0283 122	56 x 0,75	17.1	403.2	537
0283 123	61 x 0,75	17.6	439.2	578
0283 124	65 x 0,75	18.3	468.0	625
0283 125	75 x 0,75	19.8	540.0	711
0283 126	80 x 0,75	20.2	576.0	754
0283 127	100 x 0,75	22.5	720.0	949
0283 012	2 x 1,0	4.8	19.2	33
0283 013	3 x 1,0	5.3	28.8	47
0283 014	4 x 1,0	5.8	38.4	59
0283 015	5 x 1,0	6.4	48.0	74
0283 017	7 x 1,0	6.9	67.2	94
0283 019	10 x 1,0	8.8	96.0	132
0283 020	12 x 1,0	9.1	115.2	154
0283 021	14 x 1,0	10.0	134.4	186
0283 022	16 x 1,0	10.6	153.6	212
0283 128	19 x 1,0	11.2	182.4	244
0283 129	24 x 1,0	13.3	230.4	311
0283 130	27 x 1,0	13.6	259.2	344
0283 131	30 x 1,0	14.3	288.0	385
0283 132	33 x 1,0	14.8	316.8	421
0283 133	37 x 1,0	15.4	355.2	464
0283 134	44 x 1,0	17.3	422.4	547
0283 135	48 x 1,0	17.6	460.8	591
0283 136	52 x 1,0	18.3	499.2	645
0283 137	56 x 1,0	18.8	537.6	692
0283 138	61 x 1,0	19.4	585.6	745
0283 139	65 x 1,0	20.0	624.0	794
0283 140	75 x 1,0	21.6	720.0	905
0283 141	80 x 1,0	22.1	768.0	960
0283 142	100 x 1,0	24.6	960.0	1207
0283 024	2 x 1,5	5.8	28.8	48
0283 026	3 x 1,5	6.1	43.2	64
0283 027	4 x 1,5	6.7	57.6	82
0283 028	5 x 1,5	7.4	72.0	102
0283 030	7 x 1,5	8.0	100.8	132
0283 031	10 x 1,5	10.7	144.0	196

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Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0283 032	12 x 1,5	11.1	172.8	228
0283 033	14 x 1,5	11.9	201.6	267
0283 143	16 x 1,5	12.5	230.4	304
0283 034	19 x 1,5	13.2	273.6	350
0283 035	24 x 1,5	15.7	345.6	446
0283 144	27 x 1,5	16.0	388.8	494
0283 036	30 x 1,5	16.6	432.0	543
0283 145	33 x 1,5	17.3	475.2	596
0283 146	37 x 1,5	18.2	532.8	667
0283 147	44 x 1,5	20.4	633.6	787
0283 148	48 x 1,5	20.8	691.2	851
0283 149	52 x 1,5	21.4	748.8	915
0283 150	56 x 1,5	22.0	806.4	984
0283 151	61 x 1,5	22.9	878.4	1073
0283 152	65 x 1,5	23.6	936.0	1143
0283 153	75 x 1,5	25.6	1080	1304
0283 154	80 x 1,5	26.1	1152	1384
0283 155	100 x 1,5	28.9	1440	1726
0283 042	2 x 2,5	6.6	48.0	68
0283 037	3 x 2,5	7.0	72.0	93
0283 039	4 x 2,5	7.7	96.0	119

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0283 040	5 x 2,5	8.5	120.0	150
0283 156	7 x 2,5	9.7	168.0	205
0283 059	10 x 2,5	12.6	240.0	295
0283 157	12 x 2,5	13.1	288.0	344
0283 158	14 x 2,5	14.0	336.0	403
0283 159	16 x 2,5	14.7	384.0	459
0283 160	19 x 2,5	15.6	456.0	530
0283 161	24 x 2,5	18.5	576.0	673
0283 162	27 x 2,5	18.9	648.0	747
0283 163	30 x 2,5	19.6	720.0	823
0283 164	33 x 2,5	20.4	792.0	903
0283 165	37 x 2,5	21.2	888.0	998
0283 166	44 x 2,5	24.1	1056	1193
0283 167	48 x 2,5	24.5	1152	1291
0283 168	52 x 2,5	25.2	1248	1391
0283 169	56 x 2,5	26.0	1344	1496
0283 170	61 x 2,5	26.8	1464	1616
0283 171	65 x 2,5	27.6	1560	1723
0283 172	75 x 2,5	29.9	1800	1968
0283 173	80 x 2,5	30.8	1920	2107
0283 174	100 x 2,5	34.1	2400	2632

Other cross-sections and conductor counts available on request.
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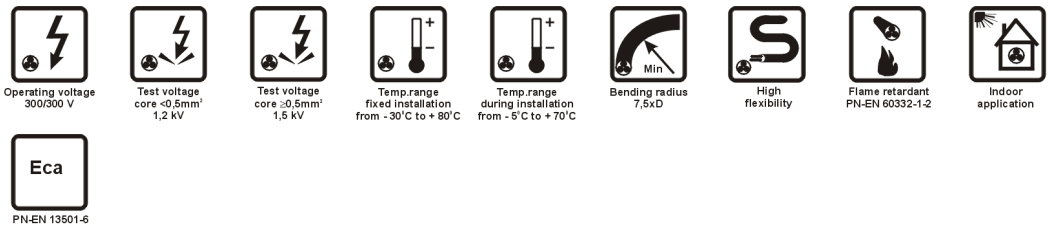
TECHNOKONTROL YKSLY-P



APPLICATIONS

TECHNOKONTROL YKSLY-P are multipair control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 compatible with IEC 60189-2,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-P-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLY-P - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLH-P - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY-P - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL IB-YKSLY-P - specially designed intrinsically safe cable.

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CHARACTERISTICS

Conductor cross-section	mm²	0.35	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	113.0	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	100	100	120	120	130	130

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Mutual capacitance at 1 kHz, approximate	300 pF/100 m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	7.5 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-16
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0289 018	2 x 2 x 0,35	5.6	13.4	36
0289 019	3 x 2 x 0,35	5.9	20.2	42
0289 020	4 x 2 x 0,35	6.4	26.9	52
0289 021	5 x 2 x 0,35	7.1	33.6	63
0289 022	6 x 2 x 0,35	7.7	40.3	72
0289 023	7 x 2 x 0,35	7.7	47.0	81
0289 024	8 x 2 x 0,35	8.2	53.8	91
0289 025	10 x 2 x 0,35	9.8	67.2	121
0289 026	12 x 2 x 0,35	10.2	80.6	139
0289 027	14 x 2 x 0,35	10.9	94.1	158
0289 028	16 x 2 x 0,35	11.8	107.5	183
0289 029	18 x 2 x 0,35	12.4	121.0	202
0289 030	20 x 2 x 0,35	13.0	134.4	221
0289 031	24 x 2 x 0,35	14.2	161.3	266
0289 032	25 x 2 x 0,35	14.5	168.0	276
0289 033	30 x 2 x 0,35	15.7	201.6	323
0289 034	31 x 2 x 0,35	15.9	208.3	332
0289 035	33 x 2 x 0,35	16.3	221.8	350
0289 036	37 x 2 x 0,35	17.2	248.6	388

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0289 037	40 x 2 x 0,35	17.8	268.8	415
0289 038	44 x 2 x 0,35	18.8	295.7	462
0289 039	48 x 2 x 0,35	19.5	322.6	498
0289 040	50 x 2 x 0,35	19.9	336.0	517
0289 041	52 x 2 x 0,35	20.2	349.4	535
0289 042	56 x 2 x 0,35	20.9	376.3	572
0289 002	2 x 2 x 0,5	6.5	19.2	48
0289 009	3 x 2 x 0,5	6.9	28.8	57
0289 001	4 x 2 x 0,5	7.6	38.4	71
0289 010	5 x 2 x 0,5	8.3	48.0	85
0289 043	6 x 2 x 0,5	9.1	57.6	99
0289 011	7 x 2 x 0,5	9.1	67.2	111
0289 044	8 x 2 x 0,5	10.1	76.8	135
0289 045	10 x 2 x 0,5	11.5	96.0	164
0289 012	12 x 2 x 0,5	12.3	115.2	197
0289 046	14 x 2 x 0,5	13.1	134.4	224
0289 008	16 x 2 x 0,5	14.1	153.6	259
0289 047	18 x 2 x 0,5	14.8	172.8	286
0289 048	20 x 2 x 0,5	15.5	192.0	313

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0289 049	24 x 2 x 0,5	16.8	230.4	368
0289 050	25 x 2 x 0,5	17.1	240.0	381
0289 051	30 x 2 x 0,5	18.8	288.0	457
0289 052	31 x 2 x 0,5	19.0	297.6	470
0289 053	33 x 2 x 0,5	19.6	316.8	498
0289 054	37 x 2 x 0,5	20.6	355.2	550
0289 055	40 x 2 x 0,5	21.3	384.0	590
0289 056	44 x 2 x 0,5	22.4	422.4	654
0289 057	48 x 2 x 0,5	23.3	460.8	707
0289 058	50 x 2 x 0,5	23.8	480.0	731
0289 059	52 x 2 x 0,5	24.2	499.2	758
0289 060	56 x 2 x 0,5	25.0	537.6	810
0289 016	2 x 2 x 0,75	7.1	28.8	63
0289 017	3 x 2 x 0,75	7.5	43.2	72
0289 003	4 x 2 x 0,75	8.3	57.6	90
0289 061	5 x 2 x 0,75	9.6	72.0	119
0289 062	7 x 2 x 0,75	10.4	100.8	155
0289 063	10 x 2 x 0,75	12.9	144.0	220
0289 064	12 x 2 x 0,75	13.5	172.8	255
0289 065	14 x 2 x 0,75	14.6	201.6	299
0289 066	16 x 2 x 0,75	15.5	230.4	336
0289 067	24 x 2 x 0,75	18.7	345.6	491
0289 068	27 x 2 x 0,75	19.7	388.8	545
0289 069	30 x 2 x 0,75	20.7	432.0	600
0289 070	33 x 2 x 0,75	21.6	475.2	653
0289 071	37 x 2 x 0,75	22.9	532.8	736
0289 004	2 x 2 x 1,0	7.7	38.4	75
0289 005	3 x 2 x 1,0	8.2	57.6	89
0289 014	4 x 2 x 1,0	9.0	76.8	112
0289 006	5 x 2 x 1,0	10.4	96.0	147

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0289 072	7 x 2 x 1,0	11.3	134.4	193
0289 015	8 x 2 x 1,0	12.3	153.6	224
0289 007	10 x 2 x 1,0	14.2	192.0	282
0289 073	12 x 2 x 1,0	14.9	230.4	327
0289 074	14 x 2 x 1,0	15.9	268.8	375
0289 075	16 x 2 x 1,0	16.9	307.2	423
0289 076	24 x 2 x 1,0	20.4	460.8	619
0289 077	27 x 2 x 1,0	21.5	518.4	689
0289 078	30 x 2 x 1,0	22.8	576.0	770
0289 079	33 x 2 x 1,0	23.8	633.6	838
0289 080	37 x 2 x 1,0	25.1	710.4	930
0289 013	2 x 2 x 1,5	9.0	57.6	98
0289 081	3 x 2 x 1,5	9.9	86.4	133
0289 082	4 x 2 x 1,5	10.9	115.2	168
0289 083	5 x 2 x 1,5	12.3	144.0	210
0289 084	7 x 2 x 1,5	13.4	201.6	278
0289 085	10 x 2 x 1,5	16.6	288.0	394
0289 086	12 x 2 x 1,5	17.4	345.6	460
0289 087	14 x 2 x 1,5	18.8	403.2	537
0289 088	16 x 2 x 1,5	20.0	460.8	607
0289 089	24 x 2 x 1,5	24.2	691.2	887
0289 090	2 x 2 x 2,5	10.8	96.0	153
0289 091	3 x 2 x 2,5	11.5	144.0	192
0289 092	4 x 2 x 2,5	12.9	192.0	252
0289 093	5 x 2 x 2,5	14.5	240.0	314
0289 094	7 x 2 x 2,5	15.8	336.0	418
0289 095	10 x 2 x 2,5	19.5	480.0	592
0289 096	12 x 2 x 2,5	20.5	576.0	694
0289 097	14 x 2 x 2,5	22.0	672.0	799
0289 098	16 x 2 x 2,5	23.5	768.0	912

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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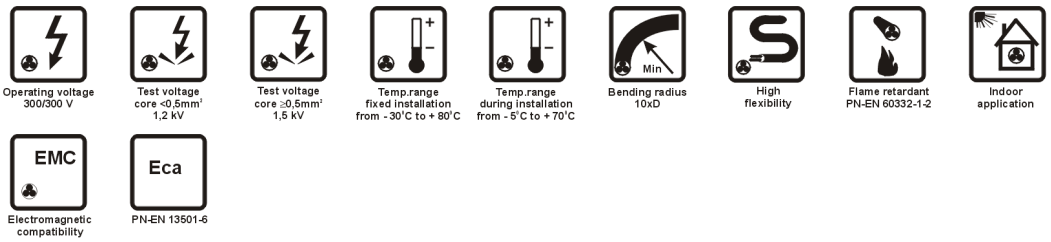
TECHNOKONTROL YKSLYekw



APPLICATIONS

TECHNOKONTROL YKSLYekw are overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-Nr - cables with black conductor insulation and white conductor numbers printed on it for identification, available for cross-section 0.5 mm^2 and bigger.

TECHNOKONTROL YKSLYekw-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLHekw - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLYekw - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL IB-YKSLYekw - specially designed intrinsically safe cable.

CHARACTERISTICS

Conductor cross-section	mm^2	0.35	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	55.4	26.0	26.0	19.5	13.3	7.98
Mutual capacitance at 1 kHz, approximate	nF/km	110	110	120	130	140	140

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-14
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0311 055	2 x 0,35	3.7	9.1	21
0311 056	3 x 0,35	3.9	12.5	25
0311 039	4 x 0,35	4.2	15.8	30
0311 057	5 x 0,35	4.6	19.2	36
0311 036	6 x 0,35	4.9	22.6	42
0311 058	7 x 0,35	4.9	25.9	44
0311 059	8 x 0,35	5.5	29.3	52
0311 051	10 x 0,35	6.4	36.0	63
0311 060	12 x 0,35	6.6	42.7	73
0311 061	14 x 0,35	7.0	49.4	82
0311 062	16 x 0,35	7.3	56.2	92
0311 063	19 x 0,35	7.7	66.2	105
0311 064	20 x 0,35	8.1	69.6	114
0311 065	21 x 0,35	8.1	73.0	114
0311 066	24 x 0,35	9.0	83.0	130
0311 067	25 x 0,35	9.6	86.4	148
0311 068	27 x 0,35	9.6	93.1	152
0311 069	30 x 0,35	9.9	103.2	166
0311 070	32 x 0,35	10.3	109.9	179
0311 071	33 x 0,35	10.3	113.3	181

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0311 072	34 x 0,35	10.7	116.6	192
0311 073	37 x 0,35	10.7	126.7	198
0311 074	40 x 0,35	11.1	136.8	212
0311 075	42 x 0,35	11.4	143.5	227
0311 076	44 x 0,35	12.1	150.2	238
0311 077	48 x 0,35	12.3	163.7	255
0311 078	50 x 0,35	12.7	170.4	269
0311 079	52 x 0,35	12.7	177.1	273
0311 080	56 x 0,35	13.0	190.6	292
0311 081	61 x 0,35	13.4	207.4	313
0311 001	2 x 0,5	4.2	12.0	26
0311 002	3 x 0,5	4.4	16.8	32
0311 003	4 x 0,5	4.8	21.6	39
0311 004	5 x 0,5	5.5	26.4	51
0311 082	6 x 0,5	6.0	31.2	60
0311 048	7 x 0,5	6.0	36.0	62
0311 005	8 x 0,5	6.4	40.8	72
0311 037	10 x 0,5	7.5	50.4	85
0311 038	12 x 0,5	7.7	60.0	98
0311 083	14 x 0,5	8.1	69.6	111

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0311 027	16 x 0,5	8.6	79.2	126
0311 084	19 x 0,5	9.1	93.6	144
0311 028	20 x 0,5	9.9	98.4	167
0311 085	21 x 0,5	9.9	103.2	169
0311 086	24 x 0,5	11.0	117.6	190
0311 087	27 x 0,5	11.2	132.0	208
0311 088	30 x 0,5	11.8	146.4	234
0311 089	33 x 0,5	12.3	160.8	255
0311 090	37 x 0,5	12.8	180.0	280
0311 091	44 x 0,5	14.5	213.6	336
0311 092	48 x 0,5	14.7	232.8	361
0311 093	52 x 0,5	15.1	252.0	386
0311 007	2 x 0,75	4.6	19.2	33
0311 008	3 x 0,75	4.8	26.4	42
0311 009	4 x 0,75	5.5	33.6	54
0311 041	5 x 0,75	6.0	40.8	65
0311 094	7 x 0,75	6.5	55.2	82
0311 010	10 x 0,75	8.2	76.8	112
0311 095	12 x 0,75	8.5	91.2	129
0311 096	14 x 0,75	8.9	105.6	146
0311 029	16 x 0,75	9.8	120.0	176
0311 097	19 x 0,75	10.4	141.6	201
0311 031	24 x 0,75	12.3	177.6	255
0311 098	27 x 0,75	12.5	199.2	280
0311 099	30 x 0,75	13.0	220.8	306
0311 100	33 x 0,75	13.5	242.4	335
0311 101	37 x 0,75	14.2	271.2	375
0311 102	44 x 0,75	15.9	321.6	441
0311 103	48 x 0,75	16.2	350.4	475
0311 104	52 x 0,75	16.7	379.2	509
0311 011	2 x 1,0	4.9	24.0	39
0311 012	3 x 1,0	5.4	33.6	53
0311 013	4 x 1,0	5.9	43.2	65
0311 014	5 x 1,0	6.5	52.8	80
0311 015	7 x 1,0	7.0	72.0	100
0311 025	8 x 1,0	7.6	81.6	117
0311 032	10 x 1,0	8.9	100.8	138
0311 045	12 x 1,0	9.6	120.0	170
0311 016	14 x 1,0	10.1	139.2	193

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0311 052	16 x 1,0	10.7	158.4	219
0311 024	19 x 1,0	11.3	187.2	251
0311 033	24 x 1,0	13.4	235.2	319
0311 105	27 x 1,0	13.7	264.0	352
0311 035	30 x 1,0	14.4	292.8	393
0311 106	33 x 1,0	14.9	321.6	430
0311 107	37 x 1,0	15.5	360.0	472
0311 108	44 x 1,0	17.4	427.2	556
0311 109	48 x 1,0	17.7	465.6	600
0311 110	52 x 1,0	18.4	504.0	654
0311 018	2 x 1,5	5.9	36.0	55
0311 019	3 x 1,5	6.2	50.4	72
0311 020	4 x 1,5	6.8	64.8	90
0311 021	5 x 1,5	7.5	79.2	110
0311 022	7 x 1,5	8.1	108.0	140
0311 040	8 x 1,5	8.8	122.4	163
0311 023	10 x 1,5	10.8	151.2	205
0311 111	12 x 1,5	11.2	180.0	238
0311 053	14 x 1,5	12.0	208.8	277
0311 054	16 x 1,5	12.6	237.6	314
0311 112	19 x 1,5	13.3	280.8	360
0311 026	24 x 1,5	15.8	352.8	457
0311 113	27 x 1,5	16.1	396.0	504
0311 114	30 x 1,5	16.7	439.2	554
0311 115	33 x 1,5	17.4	482.4	607
0311 116	37 x 1,5	18.3	540.0	678
0311 117	44 x 1,5	20.5	640.8	799
0311 118	48 x 1,5	20.9	698.4	863
0311 119	52 x 1,5	21.5	756.0	928
0311 047	2 x 2,5	6.7	55.2	76
0311 043	3 x 2,5	7.1	79.2	101
0311 120	4 x 2,5	7.8	103.2	127
0311 121	5 x 2,5	8.6	127.2	159
0311 034	7 x 2,5	9.8	175.2	214
0311 122	10 x 2,5	12.7	247.2	304
0311 123	12 x 2,5	13.2	295.2	354
0311 124	14 x 2,5	14.1	343.2	413
0311 125	16 x 2,5	14.8	391.2	469
0311 126	19 x 2,5	15.7	463.2	540

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0311 127	24 x 2,5	18.6	583.2	684
0311 128	27 x 2,5	19.0	655.2	758
0311 129	30 x 2,5	19.7	727.2	834

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0311 130	33 x 2,5	20.5	799.2	915
0311 131	37 x 2,5	21.3	895.2	1011
0311 132	44 x 2,5	24.2	1063	1206

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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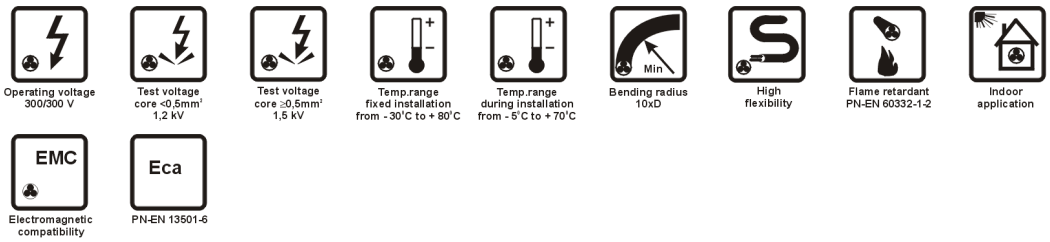
TECHNOKONTROL YKSLYekw-P



APPLICATIONS

TECHNOKONTROL YKSLYekw-P are multipair overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 compatible with IEC 60189-2,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-P-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnKSLYekw-P - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL HKSLHekw-P - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL IB-YKSLYekw-P - specially designed intrinsically safe cable.

CHARACTERISTICS

Conductor cross-section	mm^2	0.35	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	113.0	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	110	110	120	130	140	140

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Mutual capacitance at 1 kHz, approximate	300 pF/100 m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-16
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0323 062	2 x 2 x 0,35	5.7	15.8	40
0323 063	3 x 2 x 0,35	6.0	22.6	46
0323 064	4 x 2 x 0,35	6.5	29.3	56
0323 065	5 x 2 x 0,35	7.2	36.0	67
0323 066	6 x 2 x 0,35	7.8	42.7	77
0323 067	7 x 2 x 0,35	7.8	49.4	85
0323 068	8 x 2 x 0,35	8.3	56.2	95
0323 069	10 x 2 x 0,35	9.9	69.6	126
0323 046	12 x 2 x 0,35	10.3	83.0	143
0323 070	14 x 2 x 0,35	11.0	96.5	163
0323 071	16 x 2 x 0,35	11.9	109.9	188
0323 072	18 x 2 x 0,35	12.5	123.4	208
0323 073	20 x 2 x 0,35	13.1	136.8	227
0323 074	24 x 2 x 0,35	14.3	163.7	272
0323 075	25 x 2 x 0,35	14.6	170.4	282
0323 076	30 x 2 x 0,35	15.8	204.0	329
0323 077	31 x 2 x 0,35	16.0	210.7	339
0323 078	33 x 2 x 0,35	16.4	224.2	357
0323 079	37 x 2 x 0,35	17.3	251.0	395
0323 080	40 x 2 x 0,35	17.9	271.2	422

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0323 081	44 x 2 x 0,35	18.9	298.1	469
0323 082	48 x 2 x 0,35	19.6	325.0	506
0323 083	50 x 2 x 0,35	20.0	338.4	525
0323 084	52 x 2 x 0,35	20.3	351.8	543
0323 085	56 x 2 x 0,35	21.0	378.7	580
0323 005	2 x 2 x 0,5	6.6	21.6	52
0323 006	3 x 2 x 0,5	7.0	31.2	61
0323 007	4 x 2 x 0,5	7.7	40.8	75
0323 008	5 x 2 x 0,5	8.4	50.4	89
0323 009	6 x 2 x 0,5	9.6	60.0	113
0323 010	7 x 2 x 0,5	9.6	69.6	125
0323 011	8 x 2 x 0,5	10.2	79.2	140
0323 012	10 x 2 x 0,5	11.8	98.4	176
0323 013	12 x 2 x 0,5	12.4	117.6	202
0323 086	14 x 2 x 0,5	13.2	136.8	230
0323 014	15 x 2 x 0,5	13.6	146.4	244
0323 015	16 x 2 x 0,5	14.2	156.0	265
0323 018	18 x 2 x 0,5	14.9	175.2	292
0323 058	20 x 2 x 0,5	15.6	194.4	320
0323 017	21 x 2 x 0,5	16.0	204.0	334

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0323 019	24 x 2 x 0,5	16.9	232.8	374
0323 087	25 x 2 x 0,5	17.2	242.4	388
0323 088	30 x 2 x 0,5	18.9	290.4	465
0323 020	31 x 2 x 0,5	19.1	300.0	478
0323 089	33 x 2 x 0,5	19.7	319.2	505
0323 090	37 x 2 x 0,5	20.7	357.6	559
0323 091	40 x 2 x 0,5	21.4	386.4	598
0323 092	44 x 2 x 0,5	22.5	424.8	662
0323 093	48 x 2 x 0,5	23.4	463.2	715
0323 094	50 x 2 x 0,5	23.9	482.4	740
0323 095	52 x 2 x 0,5	24.3	501.6	767
0323 096	56 x 2 x 0,5	25.1	540.0	819
0323 021	2 x 2 x 0,75	7.2	33.6	69
0323 022	3 x 2 x 0,75	7.6	48.0	78
0323 023	4 x 2 x 0,75	8.4	62.4	97
0323 097	5 x 2 x 0,75	9.7	76.8	126
0323 024	6 x 2 x 0,75	10.5	91.2	145
0323 040	7 x 2 x 0,75	10.5	105.6	162
0323 025	8 x 2 x 0,75	11.2	120.0	181
0323 038	10 x 2 x 0,75	13.0	148.8	228
0323 026	12 x 2 x 0,75	13.6	177.6	263
0323 027	14 x 2 x 0,75	14.7	206.4	307
0323 060	16 x 2 x 0,75	15.6	235.2	345
0323 028	19 x 2 x 0,75	16.8	278.4	400
0323 039	21 x 2 x 0,75	17.6	307.2	437
0323 061	24 x 2 x 0,75	18.8	350.4	500
0323 098	27 x 2 x 0,75	19.8	393.6	555
0323 099	30 x 2 x 0,75	20.8	436.8	610
0323 100	33 x 2 x 0,75	21.7	480.0	663
0323 101	37 x 2 x 0,75	23.0	537.6	746
0323 029	2 x 2 x 1,0	7.8	43.2	81
0323 030	3 x 2 x 1,0	8.3	62.4	95
0323 031	4 x 2 x 1,0	9.1	81.6	119

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0323 044	5 x 2 x 1,0	10.5	100.8	154
0323 045	7 x 2 x 1,0	11.4	139.2	201
0323 032	8 x 2 x 1,0	12.4	158.4	232
0323 033	10 x 2 x 1,0	14.3	196.8	290
0323 034	12 x 2 x 1,0	15.0	235.2	336
0323 102	14 x 2 x 1,0	16.0	273.6	384
0323 103	16 x 2 x 1,0	17.0	312.0	431
0323 043	24 x 2 x 1,0	20.5	465.6	629
0323 104	27 x 2 x 1,0	21.6	523.2	699
0323 105	30 x 2 x 1,0	22.9	580.8	781
0323 106	33 x 2 x 1,0	23.9	638.4	848
0323 107	37 x 2 x 1,0	25.2	715.2	941
0323 037	2 x 2 x 1,5	9.1	64.8	107
0323 059	3 x 2 x 1,5	10.0	93.6	142
0323 035	4 x 2 x 1,5	11.0	122.4	177
0323 057	5 x 2 x 1,5	12.4	151.2	220
0323 053	6 x 2 x 1,5	13.5	180.0	256
0323 108	7 x 2 x 1,5	13.5	208.8	287
0323 036	10 x 2 x 1,5	16.7	295.2	404
0323 054	12 x 2 x 1,5	17.5	352.8	471
0323 109	14 x 2 x 1,5	18.9	410.4	549
0323 055	16 x 2 x 1,5	20.1	468.0	619
0323 056	24 x 2 x 1,5	24.3	698.4	900
0323 110	2 x 2 x 2,5	10.9	103.2	162
0323 111	3 x 2 x 2,5	11.8	151.2	207
0323 112	4 x 2 x 2,5	13.0	199.2	261
0323 113	5 x 2 x 2,5	14.6	247.2	324
0323 114	7 x 2 x 2,5	15.9	343.2	428
0323 041	10 x 2 x 2,5	19.6	487.2	603
0323 115	12 x 2 x 2,5	20.6	583.2	706
0323 116	14 x 2 x 2,5	22.1	679.2	811
0323 117	16 x 2 x 2,5	23.6	775.2	925

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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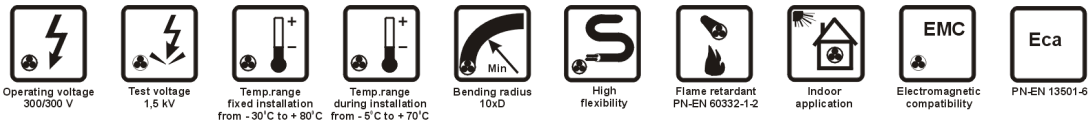
TECHNOKONTROL YKSLYekpekw



APPLICATIONS

TECHNOKONTROL YKSLYekpekw are multipair, pair and overall shielded control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 compatible with IEC 60189-2,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekpekw-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLHekpekw - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLYekpekw - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL IB-YKSLYekpekw - specially designed intrinsically safe cable.

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CHARACTERISTICS

Conductor cross-section	mm²	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	500	500	500	500	500
Voltage test	V rms	1500	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	220	240	260	260	290

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	40 Ω
Capacitance unbalance, maximum	250 pF/100m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	WT-TK-18
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0301 001	2x2x0,5	6.9	26.4	64
0301 035	3x2x0,5	7.3	38.4	73
0301 002	4x2x0,5	8.1	50.4	91
0301 029	5x2x0,5	8.9	62.4	109
0301 003	6x2x0,5	10.1	74.4	126
0301 004	8x2x0,5	10.8	98.4	168
0301 005	10x2x0,5	12.5	122.4	216
0301 025	12x2x0,5	13.0	146.4	250
0301 034	14x2x0,5	14.1	170.4	293
0301 007	16x2x0,5	15.0	194.4	328
0301 006	18x2x0,5	15.7	218.4	363
0301 008	24x2x0,5	17.9	290.4	468
0301 040	36x2x0,5	21.6	434.4	685
0301 041	48x2x0,5	24.8	578.4	902
0301 010	2x2x0,75	7.5	43.2	86
0301 011	3x2x0,75	8.0	62.4	98
0301 012	4x2x0,75	8.8	81.6	123
0301 013	5x2x0,75	10.1	100.8	159

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0301 026	7x2x0,75	11.0	139.2	207
0301 030	8x2x0,75	12.0	158.4	233
0301 015	10x2x0,75	13.6	196.8	293
0301 031	12x2x0,75	14.5	235.2	348
0301 027	14x2x0,75	15.5	273.6	398
0301 036	16x2x0,75	16.4	312.0	448
0301 016	20x2x0,75	18.3	388.8	561
0301 017	24x2x0,75	19.8	465.6	654
0301 042	36x2x0,75	23.9	696.0	957
0301 018	2x2x1,0	8.1	52.8	102
0301 032	3x2x1,0	8.6	76.8	115
0301 037	4x2x1,0	9.9	100.8	156
0301 033	5x2x1,0	10.9	124.8	187
0301 043	8x2x1,0	13.0	196.8	277
0301 038	10x2x1,0	15.0	244.8	356
0301 019	12x2x1,0	15.7	292.8	415
0301 028	14x2x1,0	16.8	340.8	475
0301 024	16x2x1,0	17.8	388.8	537

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0301 044	24x2x1,0	21.5	580.8	785
0301 045	2x2x1,5	9.8	79.2	147
0301 020	3x2x1,5	10.4	115.2	169
0301 023	4x2x1,5	11.5	151.2	213
0301 046	5x2x1,5	12.8	187.2	264
0301 021	6x2x1,5	14.2	223.2	285
0301 047	8x2x1,5	15.2	295.2	390
0301 014	10x2x1,5	17.3	367.2	493
0301 048	12x2x1,5	18.4	439.2	586

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0301 022	16x2x1,5	20.9	583.2	759
0301 049	2x2x2,5	11.3	117.6	201
0301 050	3x2x2,5	12.2	172.8	236
0301 051	4x2x2,5	13.4	228.0	299
0301 039	5x2x2,5	15.0	283.2	371
0301 052	8x2x2,5	17.6	448.8	542
0301 053	10x2x2,5	20.3	559.2	697
0301 054	12x2x2,5	21.3	669.6	819
0301 055	16x2x2,5	24.4	890.4	1073

Other cross-sections and pair counts available on request.
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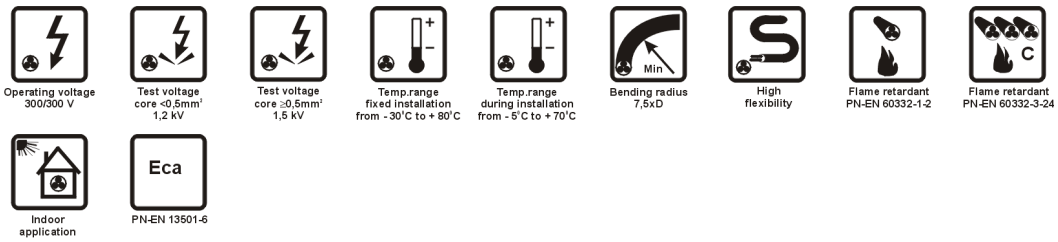
TECHNOKONTROL YnKSLY



APPLICATIONS

TECHNOKONTROL YnKSLY are flame retardant control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLY-Nr - cables with black conductor insulation and white conductor numbers printed on it for identification, available for cross-section 0.5 mm^2 and bigger.

TECHNOKONTROL YnKSLY-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLY - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLH - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL IB-YnKSLY - specially designed intrinsically safe cable.

CHARACTERISTICS

Conductor cross-section	mm^2	0.35	0.5	0.75	1	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	55.4	39.0	26.0	19.5	13.3	7.98
Capacitance between conductors at 1 kHz, appr.	nF/km	100	100	120	120	130	130

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-14
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0369 014	2 x 0,35	3.6	6.7	17
0369 015	3 x 0,35	3.8	10.1	22
0369 016	4 x 0,35	4.1	13.4	26
0369 017	5 x 0,35	4.5	16.8	33
0369 018	6 x 0,35	4.8	20.2	39
0369 019	7 x 0,35	4.8	23.5	41
0369 020	8 x 0,35	5.4	26.9	48
0369 021	10 x 0,35	6.3	33.6	59
0369 022	12 x 0,35	6.5	40.3	69
0369 023	14 x 0,35	6.9	47.0	78
0369 024	16 x 0,35	7.2	53.8	88
0369 025	19 x 0,35	7.6	63.8	100
0369 026	20 x 0,35	8.0	67.2	110
0369 027	21 x 0,35	8.0	70.6	110
0369 028	24 x 0,35	8.9	80.6	125
0369 029	25 x 0,35	9.1	84.0	134
0369 030	27 x 0,35	9.1	90.7	138
0369 031	30 x 0,35	9.8	100.8	161
0369 032	32 x 0,35	10.2	107.5	174
0369 033	33 x 0,35	10.2	110.9	176

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0369 034	34 x 0,35	10.6	114.2	187
0369 035	37 x 0,35	10.6	124.3	192
0369 036	40 x 0,35	11.0	134.4	207
0369 037	42 x 0,35	11.3	141.1	221
0369 038	44 x 0,35	12.0	147.8	232
0369 039	48 x 0,35	12.2	161.3	249
0369 040	50 x 0,35	12.6	168.0	264
0369 041	52 x 0,35	12.6	174.7	268
0369 042	56 x 0,35	12.9	188.2	286
0369 043	61 x 0,35	13.3	205.0	307
0369 044	65 x 0,35	13.7	218.4	325
0369 045	75 x 0,35	15.0	252.0	379
0369 046	80 x 0,35	15.3	268.8	401
0369 047	100 x 0,35	16.9	336.0	496
0369 048	2 x 0,5	4.1	9.6	22
0369 049	3 x 0,5	4.3	14.4	28
0369 050	4 x 0,5	4.7	19.2	35
0369 051	5 x 0,5	5.4	24.0	47
0369 052	6 x 0,5	5.9	28.8	56
0369 053	7 x 0,5	5.9	33.6	59

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0369 054	8 x 0,5	6.3	38.4	68
0369 055	10 x 0,5	7.4	48.0	81
0369 056	12 x 0,5	7.6	57.6	94
0369 057	14 x 0,5	8.0	67.2	107
0369 058	16 x 0,5	8.5	76.8	122
0369 059	19 x 0,5	9.0	91.2	139
0369 060	20 x 0,5	9.8	96.0	162
0369 061	21 x 0,5	9.8	100.8	164
0369 062	24 x 0,5	10.9	115.2	184
0369 063	27 x 0,5	11.1	129.6	203
0369 064	30 x 0,5	11.5	144.0	222
0369 065	33 x 0,5	12.2	158.4	250
0369 066	37 x 0,5	12.7	177.6	274
0369 067	44 x 0,5	14.4	211.2	330
0369 068	48 x 0,5	14.6	230.4	354
0369 069	52 x 0,5	15.0	249.6	380
0369 070	56 x 0,5	15.5	268.8	407
0369 071	61 x 0,5	16.0	292.8	438
0369 072	65 x 0,5	16.4	312.0	466
0369 073	75 x 0,5	17.7	360.0	529
0369 074	80 x 0,5	18.3	384.0	570
0369 075	100 x 0,5	20.2	480.0	707
0369 001	2 x 0,75	4.5	14.4	27
0369 076	3 x 0,75	4.7	21.6	36
0369 077	4 x 0,75	5.4	28.8	48
0369 078	5 x 0,75	5.9	36.0	60
0369 079	7 x 0,75	6.4	50.4	76
0369 080	10 x 0,75	8.1	72.0	105
0369 081	12 x 0,75	8.4	86.4	122
0369 082	14 x 0,75	8.8	100.8	140
0369 083	16 x 0,75	9.7	115.2	169
0369 084	19 x 0,75	10.3	136.8	194
0369 085	24 x 0,75	12.2	172.8	247
0369 086	27 x 0,75	12.4	194.4	272
0369 087	30 x 0,75	12.9	216.0	299
0369 088	33 x 0,75	13.4	237.6	327
0369 089	37 x 0,75	14.1	266.4	367
0369 090	44 x 0,75	15.8	316.8	432
0369 091	48 x 0,75	16.1	345.6	466

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0369 092	52 x 0,75	16.6	374.4	501
0369 093	56 x 0,75	17.1	403.2	537
0369 094	61 x 0,75	17.6	439.2	578
0369 095	65 x 0,75	18.3	468.0	625
0369 096	75 x 0,75	19.8	540.0	711
0369 097	80 x 0,75	20.2	576.0	754
0369 098	100 x 0,75	22.5	720.0	949
0369 011	2 x 1,0	4.8	19.2	33
0369 008	3 x 1,0	5.3	28.8	47
0369 012	4 x 1,0	5.8	38.4	59
0369 009	5 x 1,0	6.4	48.0	74
0369 013	7 x 1,0	6.9	67.2	94
0369 099	10 x 1,0	8.8	96.0	132
0369 100	12 x 1,0	9.1	115.2	154
0369 101	14 x 1,0	10.0	134.4	186
0369 102	16 x 1,0	10.6	153.6	212
0369 103	19 x 1,0	11.2	182.4	244
0369 104	24 x 1,0	13.3	230.4	311
0369 105	27 x 1,0	13.6	259.2	344
0369 106	30 x 1,0	14.3	288.0	385
0369 107	33 x 1,0	14.8	316.8	421
0369 108	37 x 1,0	15.4	355.2	464
0369 109	44 x 1,0	17.3	422.4	547
0369 110	48 x 1,0	17.6	460.8	591
0369 111	52 x 1,0	18.3	499.2	645
0369 112	56 x 1,0	18.8	537.6	692
0369 113	61 x 1,0	19.4	585.6	745
0369 114	65 x 1,0	20.0	624.0	794
0369 115	75 x 1,0	21.6	720.0	905
0369 116	80 x 1,0	22.1	768.0	960
0369 117	100 x 1,0	24.6	960.0	1207
0369 007	2 x 1,5	5.8	28.8	48
0369 003	3 x 1,5	6.1	43.2	64
0369 118	4 x 1,5	6.7	57.6	82
0369 004	5 x 1,5	7.4	72.0	102
0369 119	7 x 1,5	8.0	100.8	132
0369 120	10 x 1,5	10.7	144.0	196
0369 121	12 x 1,5	11.1	172.8	228
0369 122	14 x 1,5	11.9	201.6	267

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0369 123	16 x 1,5	12.5	230.4	304
0369 010	19 x 1,5	13.2	273.6	350
0369 124	24 x 1,5	15.7	345.6	446
0369 125	27 x 1,5	16.0	388.8	494
0369 126	30 x 1,5	16.6	432.0	543
0369 127	33 x 1,5	17.3	475.2	596
0369 128	37 x 1,5	18.2	532.8	667
0369 129	44 x 1,5	20.4	633.6	787
0369 130	48 x 1,5	20.8	691.2	851
0369 131	52 x 1,5	21.4	748.8	915
0369 132	56 x 1,5	22.0	806.4	984
0369 133	61 x 1,5	22.9	878.4	1073
0369 134	65 x 1,5	23.6	936.0	1143
0369 135	75 x 1,5	25.6	1080	1304
0369 136	80 x 1,5	26.1	1152	1384
0369 137	100 x 1,5	28.9	1440	1726
0369 138	2 x 2,5	6.6	48.0	68
0369 139	3 x 2,5	7.0	72.0	93
0369 140	4 x 2,5	7.7	96.0	119
0369 141	5 x 2,5	8.5	120.0	150

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0369 142	7 x 2,5	9.7	168.0	205
0369 143	10 x 2,5	12.6	240.0	295
0369 144	12 x 2,5	13.1	288.0	344
0369 145	14 x 2,5	14.0	336.0	403
0369 146	16 x 2,5	14.7	384.0	459
0369 147	19 x 2,5	15.6	456.0	530
0369 148	24 x 2,5	18.5	576.0	673
0369 149	27 x 2,5	18.9	648.0	747
0369 150	30 x 2,5	19.6	720.0	823
0369 151	33 x 2,5	20.4	792.0	903
0369 152	37 x 2,5	21.2	888.0	998
0369 153	44 x 2,5	24.1	1056	1193
0369 154	48 x 2,5	24.5	1152	1291
0369 155	52 x 2,5	25.2	1248	1391
0369 156	56 x 2,5	26.0	1344	1496
0369 157	61 x 2,5	26.8	1464	1616
0369 158	65 x 2,5	27.6	1560	1723
0369 159	75 x 2,5	29.9	1800	1968
0369 160	80 x 2,5	30.8	1920	2107
0369 161	100 x 2,5	34.1	2400	2632

Other cross-sections and conductor counts available on request.
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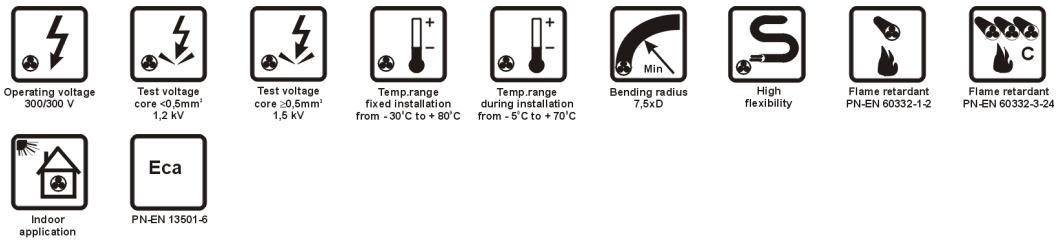
TECHNOKONTROL YnKSLY-P



APPLICATIONS

TECHNOKONTROL YnKSLY-P are multipair flame retardant control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 compatible with IEC 60189-2,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLY-P-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLY-P - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLH-P - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL IB-YnKSLY-P - specially designed intrinsically safe cable.

CHARACTERISTICS

Conductor cross-section	mm^2	0.35	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	113.0	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	100	100	120	120	130	130

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Capacitance unbalance, maximum	300 pF/100 m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-16
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1724 001	2 x 2 x 0,35	5.6	13.4	36
1724 002	3 x 2 x 0,35	5.9	20.2	42
1724 003	4 x 2 x 0,35	6.4	26.9	52
1724 004	5 x 2 x 0,35	7.1	33.6	63
1724 005	6 x 2 x 0,35	7.7	40.3	72
1724 006	7 x 2 x 0,35	7.7	47.0	81
1724 007	8 x 2 x 0,35	8.2	53.8	91
1724 008	10 x 2 x 0,35	9.8	67.2	121
1724 009	12 x 2 x 0,35	10.2	80.6	139
1724 010	14 x 2 x 0,35	10.9	94.1	158
1724 011	16 x 2 x 0,35	11.8	107.5	183
1724 012	18 x 2 x 0,35	12.4	121.0	202
1724 013	20 x 2 x 0,35	13.0	134.4	221
1724 014	24 x 2 x 0,35	14.2	161.3	266
1724 015	25 x 2 x 0,35	14.5	168.0	276
1724 016	30 x 2 x 0,35	15.7	201.6	323
1724 017	31 x 2 x 0,35	15.9	208.3	332
1724 018	33 x 2 x 0,35	16.3	221.8	350
1724 019	37 x 2 x 0,35	17.2	248.6	388

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1724 020	40 x 2 x 0,35	17.8	268.8	415
1724 021	44 x 2 x 0,35	18.8	295.7	462
1724 022	48 x 2 x 0,35	19.5	322.6	498
1724 023	50 x 2 x 0,35	19.9	336.0	517
1724 024	52 x 2 x 0,35	20.2	349.4	535
1724 025	56 x 2 x 0,35	20.9	376.3	572
1724 026	2 x 2 x 0,5	6.5	19.2	48
1724 027	3 x 2 x 0,5	6.9	28.8	57
1724 028	4 x 2 x 0,5	7.6	38.4	71
1724 029	5 x 2 x 0,5	8.3	48.0	85
1724 030	6 x 2 x 0,5	9.1	57.6	99
1724 031	7 x 2 x 0,5	9.1	67.2	111
1724 032	8 x 2 x 0,5	10.1	76.8	135
1724 033	10 x 2 x 0,5	11.5	96.0	164
1724 034	12 x 2 x 0,5	12.3	115.2	197
1724 035	14 x 2 x 0,5	13.1	134.4	224
1724 036	16 x 2 x 0,5	14.1	153.6	259
1724 037	18 x 2 x 0,5	14.8	172.8	286
1724 038	20 x 2 x 0,5	15.5	192.0	313

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Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1724 039	24 x 2 x 0,5	16.8	230.4	368
1724 040	25 x 2 x 0,5	17.1	240.0	381
1724 041	30 x 2 x 0,5	18.8	288.0	457
1724 042	31 x 2 x 0,5	19.0	297.6	470
1724 043	33 x 2 x 0,5	19.6	316.8	498
1724 044	37 x 2 x 0,5	20.6	355.2	550
1724 045	40 x 2 x 0,5	21.3	384.0	590
1724 046	44 x 2 x 0,5	22.4	422.4	654
1724 047	48 x 2 x 0,5	23.3	460.8	707
1724 048	50 x 2 x 0,5	23.8	480.0	731
1724 049	52 x 2 x 0,5	24.2	499.2	758
1724 050	56 x 2 x 0,5	25.0	537.6	810
1724 051	2 x 2 x 0,75	7.1	28.8	63
1724 052	3 x 2 x 0,75	7.5	43.2	72
1724 053	4 x 2 x 0,75	8.3	57.6	90
1724 054	5 x 2 x 0,75	9.6	72.0	119
1724 055	7 x 2 x 0,75	10.4	100.8	155
1724 056	10 x 2 x 0,75	12.9	144.0	220
1724 057	12 x 2 x 0,75	13.5	172.8	255
1724 058	14 x 2 x 0,75	14.6	201.6	299
1724 059	16 x 2 x 0,75	15.5	230.4	336
1724 060	24 x 2 x 0,75	18.7	345.6	491
1724 061	27 x 2 x 0,75	19.7	388.8	545
1724 062	30 x 2 x 0,75	20.7	432.0	600
1724 063	33 x 2 x 0,75	21.6	475.2	653
1724 064	37 x 2 x 0,75	22.9	532.8	736
1724 065	2 x 2 x 1,0	7.7	38.4	75
1724 066	3 x 2 x 1,0	8.2	57.6	89
1724 067	4 x 2 x 1,0	9.0	76.8	112
1724 068	5 x 2 x 1,0	10.4	96.0	147

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1724 069	7 x 2 x 1,0	11.3	134.4	193
1724 070	10 x 2 x 1,0	14.2	192.0	282
1724 071	12 x 2 x 1,0	14.9	230.4	327
1724 072	14 x 2 x 1,0	15.9	268.8	375
1724 073	16 x 2 x 1,0	16.9	307.2	423
1724 074	24 x 2 x 1,0	20.4	460.8	619
1724 075	27 x 2 x 1,0	21.5	518.4	689
1724 076	30 x 2 x 1,0	22.8	576.0	770
1724 077	33 x 2 x 1,0	23.8	633.6	838
1724 078	37 x 2 x 1,0	25.1	710.4	930
1724 079	2 x 2 x 1,5	9.0	57.6	98
1724 080	3 x 2 x 1,5	9.9	86.4	133
1724 081	4 x 2 x 1,5	10.9	115.2	168
1724 082	5 x 2 x 1,5	12.3	144.0	210
1724 083	7 x 2 x 1,5	13.4	201.6	278
1724 084	10 x 2 x 1,5	16.6	288.0	394
1724 085	12 x 2 x 1,5	17.4	345.6	460
1724 086	14 x 2 x 1,5	18.8	403.2	537
1724 087	16 x 2 x 1,5	20.0	460.8	607
1724 088	24 x 2 x 1,5	24.2	691.2	887
1724 089	2 x 2 x 2,5	10.8	96.0	153
1724 090	3 x 2 x 2,5	11.5	144.0	192
1724 091	4 x 2 x 2,5	12.9	192.0	252
1724 092	5 x 2 x 2,5	14.5	240.0	314
1724 093	7 x 2 x 2,5	15.8	336.0	418
1724 094	10 x 2 x 2,5	19.5	480.0	592
1724 095	12 x 2 x 2,5	20.5	576.0	694
1724 096	14 x 2 x 2,5	22.0	672.0	799
1724 097	16 x 2 x 2,5	23.5	768.0	912

Other cross-sections and pair counts available on request.
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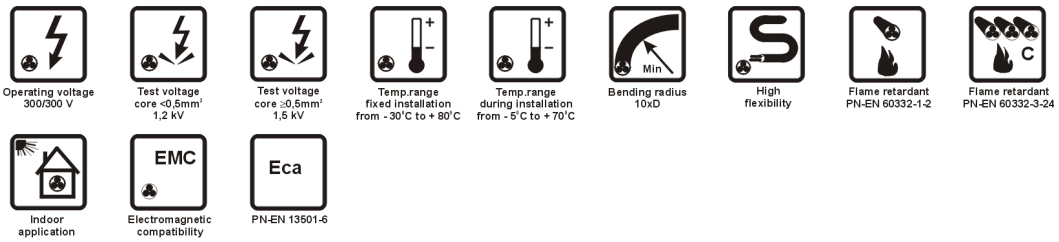
TECHNOKONTROL YnKSLYekw



APPLICATIONS

TECHNOKONTROL YnKSLYekw are overall shielded, flame retardant control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLYekw-Nr - cables with black conductor insulation and white conductor numbers printed on it for identification, available for cross-section 0.5 mm^2 and bigger.

TECHNOKONTROL YnKSLYekw-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL YnvKSLYekw - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLHekw - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL IB-YKSLYekw - specially designed intrinsically safe cable.

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CHARACTERISTICS

Conductor cross-section	mm²	0.35	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	55.4	39.0	26.0	19.5	13.3	7.98
Capacitance between conductors at 1 kHz, appr.	nF/km	110	110	120	130	140	140

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-14
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0374 022	2 x 0,35	3.7	9.1	21
0374 023	3 x 0,35	3.9	12.5	25
0374 024	4 x 0,35	4.2	15.8	30
0374 025	5 x 0,35	4.6	19.2	36
0374 026	6 x 0,35	4.9	22.6	42
0374 027	7 x 0,35	4.9	25.9	44
0374 028	8 x 0,35	5.5	29.3	52
0374 029	10 x 0,35	6.4	36.0	63
0374 030	12 x 0,35	6.6	42.7	73
0374 031	14 x 0,35	7.0	49.4	82
0374 032	16 x 0,35	7.3	56.2	92
0374 033	19 x 0,35	7.7	66.2	105
0374 034	20 x 0,35	8.1	69.6	114
0374 035	21 x 0,35	8.1	73.0	114
0374 036	24 x 0,35	9.0	83.0	130
0374 037	25 x 0,35	9.6	86.4	148
0374 038	27 x 0,35	9.6	93.1	152
0374 039	30 x 0,35	9.9	103.2	166

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0374 040	32 x 0,35	10.3	109.9	179
0374 041	33 x 0,35	10.3	113.3	181
0374 042	34 x 0,35	10.7	116.6	192
0374 043	37 x 0,35	10.7	126.7	198
0374 044	40 x 0,35	11.1	136.8	212
0374 045	42 x 0,35	11.4	143.5	227
0374 046	44 x 0,35	12.1	150.2	238
0374 047	48 x 0,35	12.3	163.7	255
0374 048	50 x 0,35	12.7	170.4	269
0374 049	52 x 0,35	12.7	177.1	273
0374 050	56 x 0,35	13.0	190.6	292
0374 051	61 x 0,35	13.4	207.4	313
0374 009	2 x 0,5	4.2	12.0	26
0374 052	3 x 0,5	4.4	16.8	32
0374 015	4 x 0,5	4.8	21.6	39
0374 053	5 x 0,5	5.5	26.4	51
0374 054	6 x 0,5	6.0	31.2	60
0374 016	7 x 0,5	6.0	36.0	62

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0374 055	8 x 0,5	6.4	40.8	72
0374 056	10 x 0,5	7.5	50.4	85
0374 057	12 x 0,5	7.7	60.0	98
0374 058	14 x 0,5	8.1	69.6	111
0374 059	16 x 0,5	8.6	79.2	126
0374 060	19 x 0,5	9.1	93.6	144
0374 061	20 x 0,5	9.9	98.4	167
0374 062	21 x 0,5	9.9	103.2	169
0374 063	24 x 0,5	11.0	117.6	190
0374 064	27 x 0,5	11.2	132.0	208
0374 065	30 x 0,5	11.8	146.4	234
0374 066	33 x 0,5	12.3	160.8	255
0374 067	37 x 0,5	12.8	180.0	280
0374 068	44 x 0,5	14.5	213.6	336
0374 069	48 x 0,5	14.7	232.8	361
0374 070	52 x 0,5	15.1	252.0	386
0374 002	2 x 0,75	4.6	19.2	33
0374 071	3 x 0,75	4.8	26.4	42
0374 003	4 x 0,75	5.5	33.6	54
0374 072	5 x 0,75	6.0	40.8	65
0374 004	7 x 0,75	6.5	55.2	82
0374 011	10 x 0,75	8.2	76.8	112
0374 073	12 x 0,75	8.5	91.2	129
0374 074	14 x 0,75	8.9	105.6	146
0374 075	16 x 0,75	9.8	120.0	176
0374 076	19 x 0,75	10.4	141.6	201
0374 077	24 x 0,75	12.3	177.6	255
0374 078	27 x 0,75	12.5	199.2	280
0374 005	30 x 0,75	13.0	220.8	306
0374 079	33 x 0,75	13.5	242.4	335
0374 080	37 x 0,75	14.2	271.2	375
0374 081	44 x 0,75	15.9	321.6	441
0374 082	48 x 0,75	16.2	350.4	475
0374 083	52 x 0,75	16.7	379.2	509
0374 013	2 x 1,0	4.9	24.0	39
0374 012	3 x 1,0	5.4	33.6	53
0374 006	4 x 1,0	5.9	43.2	65
0374 017	5 x 1,0	6.5	52.8	80
0374 014	7 x 1,0	7.0	72.0	100

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0374 018	10 x 1,0	8.9	100.8	138
0374 019	12 x 1,0	9.6	120.0	170
0374 084	14 x 1,0	10.1	139.2	193
0374 020	16 x 1,0	10.7	158.4	219
0374 085	19 x 1,0	11.3	187.2	251
0374 086	24 x 1,0	13.4	235.2	319
0374 087	27 x 1,0	13.7	264.0	352
0374 088	30 x 1,0	14.4	292.8	393
0374 089	33 x 1,0	14.9	321.6	430
0374 090	37 x 1,0	15.5	360.0	472
0374 091	44 x 1,0	17.4	427.2	556
0374 092	48 x 1,0	17.7	465.6	600
0374 093	52 x 1,0	18.4	504.0	654
0374 010	2 x 1,5	5.9	36.0	55
0374 094	3 x 1,5	6.2	50.4	72
0374 095	4 x 1,5	6.8	64.8	90
0374 096	5 x 1,5	7.5	79.2	110
0374 097	7 x 1,5	8.1	108.0	140
0374 098	10 x 1,5	10.8	151.2	205
0374 099	12 x 1,5	11.2	180.0	238
0374 100	14 x 1,5	12.0	208.8	277
0374 101	16 x 1,5	12.6	237.6	314
0374 102	19 x 1,5	13.3	280.8	360
0374 103	24 x 1,5	15.8	352.8	457
0374 104	27 x 1,5	16.1	396.0	504
0374 105	30 x 1,5	16.7	439.2	554
0374 106	33 x 1,5	17.4	482.4	607
0374 107	37 x 1,5	18.3	540.0	678
0374 108	44 x 1,5	20.5	640.8	799
0374 109	48 x 1,5	20.9	698.4	863
0374 110	52 x 1,5	21.5	756.0	928
0374 111	2 x 2,5	6.7	55.2	76
0374 112	3 x 2,5	7.1	79.2	101
0374 113	4 x 2,5	7.8	103.2	127
0374 114	5 x 2,5	8.6	127.2	159
0374 115	7 x 2,5	9.8	175.2	214
0374 116	10 x 2,5	12.7	247.2	304
0374 117	12 x 2,5	13.2	295.2	354
0374 118	14 x 2,5	14.1	343.2	413

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Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0374 119	16 x 2,5	14.8	391.2	469
0374 120	19 x 2,5	15.7	463.2	540
0374 121	24 x 2,5	18.6	583.2	684
0374 122	27 x 2,5	19.0	655.2	758

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0374 123	30 x 2,5	19.7	727.2	834
0374 124	33 x 2,5	20.5	799.2	915
0374 125	37 x 2,5	21.3	895.2	1011
0374 126	44 x 2,5	24.2	1063.2	1206

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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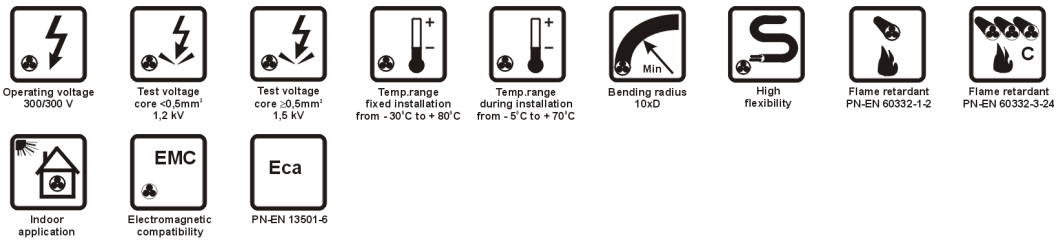
TECHNOKONTROL YnKSLYekw-P



APPLICATIONS

TECHNOKONTROL YnKSLYekw-P are multipair overall shielded, flame retardant control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code according to PN-92/T-90321 compatible with IEC 60189-2,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLYekw-P-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

TECHNOKONTROL HKSLHekw-P - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL IB-YnKSLYekw-P - specially designed intrinsically safe cable.

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CHARACTERISTICS

Conductor cross-section	mm²	0.35	0.5	0.75	1.0	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC loop resistance at 20°C, maximum	Ω/km	113.0	79.6	53.0	39.8	27.1	16.28
Mutual capacitance at 1 kHz, approximate	nF/km	110	110	120	130	140	140

Operating voltage Uo/U	300/300 V
Insulation resistance, minimum	20 MΩ·km
Inductance, approximate	0.7 mH/km
Impedance, approximate	80 Ω
Capacitance unbalance, maximum	300 pF/100 m
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	7.5 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-16
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0970 018	2 x 2 x 0,35	5.7	15.8	40
0970 019	3 x 2 x 0,35	6.0	22.6	46
0970 020	4 x 2 x 0,35	6.5	29.3	56
0970 021	5 x 2 x 0,35	7.2	36.0	67
0970 022	6 x 2 x 0,35	7.8	42.7	77
0970 023	7 x 2 x 0,35	7.8	49.4	85
0970 024	8 x 2 x 0,35	8.3	56.2	95
0970 025	10 x 2 x 0,35	9.9	69.6	126
0970 026	12 x 2 x 0,35	10.3	83.0	143
0970 027	14 x 2 x 0,35	11.0	96.5	163
0970 028	16 x 2 x 0,35	11.9	109.9	188
0970 029	18 x 2 x 0,35	12.5	123.4	208
0970 030	20 x 2 x 0,35	13.1	136.8	227
0970 031	24 x 2 x 0,35	14.3	163.7	272
0970 032	25 x 2 x 0,35	14.6	170.4	282
0970 033	30 x 2 x 0,35	15.8	204.0	329
0970 034	31 x 2 x 0,35	16.0	210.7	339

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0970 035	33 x 2 x 0,35	16.4	224.2	357
0970 036	37 x 2 x 0,35	17.3	251.0	395
0970 037	40 x 2 x 0,35	17.9	271.2	422
0970 038	44 x 2 x 0,35	18.9	298.1	469
0970 039	48 x 2 x 0,35	19.6	325.0	506
0970 040	50 x 2 x 0,35	20.0	338.4	525
0970 041	52 x 2 x 0,35	20.3	351.8	543
0970 042	56 x 2 x 0,35	21.0	378.7	580
0970 008	2 x 2 x 0,5	6.6	21.6	52
0970 043	3 x 2 x 0,5	7.0	31.2	61
0970 009	4 x 2 x 0,5	7.7	40.8	75
0970 017	5 x 2 x 0,5	8.4	50.4	89
0970 014	6 x 2 x 0,5	9.6	60.0	113
0970 044	7 x 2 x 0,5	9.6	69.6	125
0970 012	8 x 2 x 0,5	10.2	79.2	140
0970 013	10 x 2 x 0,5	11.8	98.4	176
0970 010	12 x 2 x 0,5	12.4	117.6	202

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0970 045	14 x 2 x 0,5	13.2	136.8	230
0970 046	16 x 2 x 0,5	14.2	156.0	265
0970 047	18 x 2 x 0,5	14.9	175.2	292
0970 016	20 x 2 x 0,5	15.6	194.4	320
0970 011	24 x 2 x 0,5	16.9	232.8	374
0970 048	25 x 2 x 0,5	17.2	242.4	388
0970 049	30 x 2 x 0,5	18.9	290.4	465
0970 050	31 x 2 x 0,5	19.1	300.0	478
0970 051	33 x 2 x 0,5	19.7	319.2	505
0970 052	37 x 2 x 0,5	20.7	357.6	559
0970 053	40 x 2 x 0,5	21.4	386.4	598
0970 054	44 x 2 x 0,5	22.5	424.8	662
0970 055	48 x 2 x 0,5	23.4	463.2	715
0970 056	50 x 2 x 0,5	23.9	482.4	740
0970 057	52 x 2 x 0,5	24.3	501.6	767
0970 058	56 x 2 x 0,5	25.1	540.0	819
0970 059	2 x 2 x 0,75	7.2	33.6	69
0970 060	3 x 2 x 0,75	7.6	48.0	78
0970 061	4 x 2 x 0,75	8.4	62.4	97
0970 062	5 x 2 x 0,75	9.7	76.8	126
0970 063	7 x 2 x 0,75	10.5	105.6	162
0970 007	10 x 2 x 0,75	13.0	148.8	228
0970 064	12 x 2 x 0,75	13.6	177.6	263
0970 065	14 x 2 x 0,75	14.7	206.4	307
0970 066	16 x 2 x 0,75	15.6	235.2	345
0970 067	24 x 2 x 0,75	18.8	350.4	500
0970 068	27 x 2 x 0,75	19.8	393.6	555
0970 069	30 x 2 x 0,75	20.8	436.8	610
0970 070	33 x 2 x 0,75	21.7	480.0	663
0970 071	37 x 2 x 0,75	23.0	537.6	746
0970 003	2 x 2 x 1,0	7.8	43.2	81
0970 072	3 x 2 x 1,0	8.3	62.4	95

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0970 004	4 x 2 x 1,0	9.1	81.6	119
0970 005	5 x 2 x 1,0	10.5	100.8	154
0970 073	7 x 2 x 1,0	11.4	139.2	201
0970 002	8 x 2 x 1,0	12.4	158.4	232
0970 074	10 x 2 x 1,0	14.3	196.8	290
0970 015	12 x 2 x 1,0	15.0	235.2	336
0970 075	14 x 2 x 1,0	16.0	273.6	384
0970 006	16 x 2 x 1,0	17.0	312.0	431
0970 076	24 x 2 x 1,0	20.5	465.6	629
0970 077	27 x 2 x 1,0	21.6	523.2	699
0970 078	30 x 2 x 1,0	22.9	580.8	781
0970 079	33 x 2 x 1,0	23.9	638.4	848
0970 080	37 x 2 x 1,0	25.2	715.2	941
0970 001	2 x 2 x 1,5	9.1	64.8	107
0970 081	3 x 2 x 1,5	10.0	93.6	142
0970 082	4 x 2 x 1,5	11.0	122.4	177
0970 083	5 x 2 x 1,5	12.4	151.2	220
0970 084	7 x 2 x 1,5	13.5	208.8	287
0970 085	10 x 2 x 1,5	16.7	295.2	404
0970 086	12 x 2 x 1,5	17.5	352.8	471
0970 087	14 x 2 x 1,5	18.9	410.4	549
0970 088	16 x 2 x 1,5	20.1	468.0	619
0970 089	24 x 2 x 1,5	24.3	698.4	900
0970 090	2 x 2 x 2,5	10.9	103.2	162
0970 091	3 x 2 x 2,5	11.8	151.2	207
0970 092	4 x 2 x 2,5	13.0	199.2	261
0970 093	5 x 2 x 2,5	14.6	247.2	324
0970 094	7 x 2 x 2,5	15.9	343.2	428
0970 095	10 x 2 x 2,5	19.6	487.2	603
0970 096	12 x 2 x 2,5	20.6	583.2	706
0970 097	14 x 2 x 2,5	22.1	679.2	811
0970 098	16 x 2 x 2,5	23.6	775.2	925

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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RD-Y(St)Y Bd

APPLICATIONS

RD-Y(St)Y Bd are unit type control cables intended for analogue or digital data transmission up to 10 kHz.

Pair lay lengths are designed to ensure minimum near-end cross-talks in units.

An electrostatic shield protects the cables against interference by external electric fields.

The cables are suitable for indoor installations connecting fixed and movable equipment.

The cables are also suitable for Maxi-Termi-Point jointing technique.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), regular construction 7 wires,
- PVC insulation,
- insulated conductors twisted into pairs, star-quad assembly in the case of two-pair cable, colour of insulated conductors:

pair number	“a” wire	“b” wire
1	blue	red
2	grey	yellow
3	green	brown
4	white	black

- four pairs stranded into a unit and bound up with a polypropylene binder marked with unit number,
- units laid-up into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section the same as conductor,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

RD-Y(St)Yv Bd - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

RD-Y(St)YY Bd - cables with double PVC sheath, suitable for outdoor installation and direct earth burial.

RD-H(St)H Bd - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

CHARACTERISTICS

Operating voltage, peak value	600 V
Voltage test	
conductor/conductor	2.0 kV rms
conductor/screen	2.0 kV rms
DC loop resistance at 20°C, maximum	
conductor 0.50 mm²	73.6 Ω/km
conductor 1.0 mm²	36.8 Ω/km
Insulation resistance, minimum	100 MΩ·km
Current-carrying capacity limit	
conductor 0.50 mm²	6 A
conductor 1.0 mm²	12 A
Mutual capacitance at 800 Hz, maximum	100 nF/km (*)
Near-end cross-talk at 10 kHz, minimum	60 dB/km
Characteristic impedance, nominal	
at 1 kHz	370 Ω
at 10 kHz	130 Ω

Attenuation loss, nominal	
at 1 kHz	1.2 dB/km
at 10 kHz	3.0 dB/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DIN VDE 0815
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

(*) this value may be 20% higher for cables with four pairs or less.

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0218 002	2 x 2 x 0,5	6.4	24.0	64
0218 004	4 x 2 x 0,5	8.8	43.2	100
0218 007	8 x 2 x 0,5	11.4	82.0	180
0218 009	12 x 2 x 0,5	13.4	120.0	250
0218 010	16 x 2 x 0,5	15.6	158.0	310
0218 012	24 x 2 x 0,5	19.0	235.0	450
0218 014	32 x 2 x 0,5	21.0	312.0	560

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0218 018	48 x 2 x 0,5	34.0	466.0	810
0218 022	2 x 2 x 1,0	7.3	48.8	93
0218 021	4 x 2 x 1,0	10.8	86.4	163
0218 020	8 x 2 x 1,0	16.6	163.0	308
0218 025	12 x 2 x 1,0	20.2	244.0	451
0218 023	16 x 2 x 1,0	20.5	322.0	558
0218 030	24 x 2 x 1,0	24.6	493.0	840

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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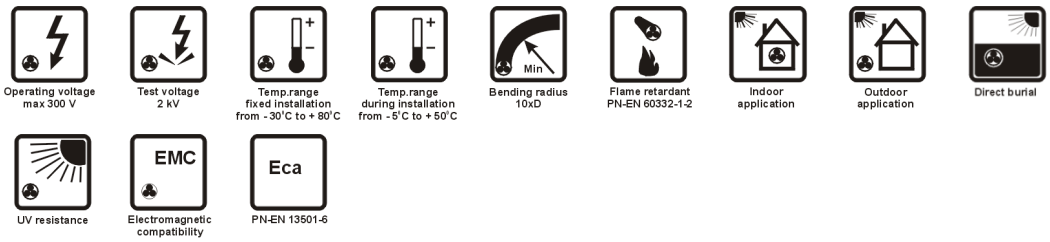
RE-2Y(St)Yv



APPLICATIONS

RE-2Y(St)Yv are multipair, overall shielded cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications.

High digital data transmission performance is achieved by polyethylene insulation and small capacitance of cable circuits.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- polyethylene (PE) insulation - identification colour code:
  - ”a” wire – black insulation and white pair number printed on it,
  - ”b” wire – white insulation and black pair number printed on it,
- insulated conductors twisted into pairs,
- pairs and an orange communication conductor laid-up into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- enhanced PVC cable sheath, black RAL 9005 or blue RAL 5015 (for intrinsically safe circuits).

AVAILABLE UPON REQUEST

RE-2Y(St)Yv-O - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.3
DC loop resistance at 20°C, maximum	Ω/km	73.4	50.0	28.4
Capacitance between conductors at 1 kHz, appr.(*)	nF/km	60	65	75

(*) this value may be 20% higher for cables with four pairs or less.

Operating voltage, peak value	300 V
Voltage test	2.0 kV rms
Insulation resistance, minimum	5 GΩ·km
Inductance, approximate	0.7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 50°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 113/08/07, PN-EN 50288-7
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0575 006	1 x 2 x 0,5	6.4	19.2	58
0575 007	2 x 2 x 0,5	8.6	28.8	88
0575 008	4 x 2 x 0,5	9.7	48.0	114
0575 019	6 x 2 x 0,5	11.3	67.2	147
0575 027	8 x 2 x 0,5	11.9	86.4	174
0575 040	10 x 2 x 0,5	13.3	105.6	207
0575 009	12 x 2 x 0,5	13.9	124.8	233
0575 041	26 x 2 x 0,5	18.9	259.2	425
0575 042	20 x 2 x 0,5	17.0	201.6	344
0575 043	24 x 2 x 0,5	18.3	240.0	398
0575 005	1 x 2 x 0,75	7.0	24.0	69
0575 011	2 x 2 x 0,75	9.6	38.4	111
0575 012	4 x 2 x 0,75	10.9	67.2	145
0575 004	6 x 2 x 0,75	12.7	96.0	192
0575 013	8 x 2 x 0,75	13.5	124.8	232
0575 044	10 x 2 x 0,75	15.2	153.6	278

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0575 014	12 x 2 x 0,75	15.8	182.4	315
0575 003	16 x 2 x 0,75	17.7	240.0	397
0575 002	20 x 2 x 0,75	19.4	297.6	477
0575 022	24 x 2 x 0,75	21.0	355.2	557
0575 017	1 x 2 x 1,3	8.0	34.6	90
0575 015	2 x 2 x 1,3	11.3	59.5	148
0575 031	3 x 2 x 1,3	11.9	84.5	173
0575 016	4 x 2 x 1,3	13.0	109.4	211
0575 026	6 x 2 x 1,3	15.3	159.4	286
0575 023	8 x 2 x 1,3	16.3	209.3	353
0575 025	10 x 2 x 1,3	18.4	259.2	427
0575 001	12 x 2 x 1,3	19.2	309.1	490
0575 029	16 x 2 x 1,3	21.9	409.0	635
0575 035	20 x 2 x 1,3	24.0	508.8	769
0575 018	24 x 2 x 1,3	26.2	608.6	913

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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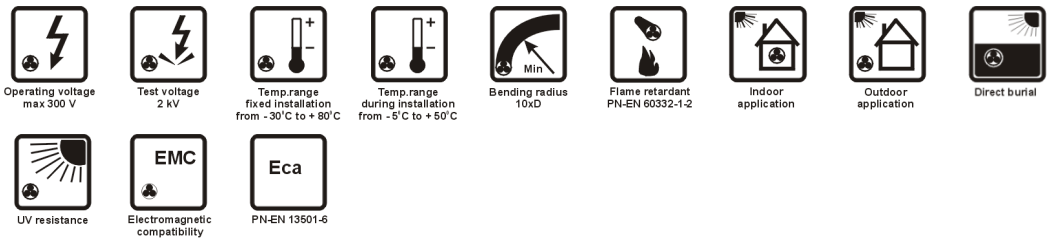
RoHS COMPLIANT CE

RE-2Y(St)Yv PIMF



APPLICATIONS

RE-2Y(St)Yv PIMF are multipair, pair and overall shielded cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications.

High digital data transmission performance is achieved by polyethylene insulation and small capacitance of cable circuits.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- polyethylene (PE) insulation - identification colour code:
  - ”a” wire – black insulation and white pair number printed on it,
  - ”b” wire – white insulation and black pair number printed on it,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs and an orange communication conductor laid-up into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- enhanced PVC cable sheath, black RAL 9005 or blue RAL 5015 (for intrinsically safe circuits).

AVAILABLE UPON REQUEST

RE-2Y(St)Yv-O PIMF - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.3
DC loop resistance at 20°C, maximum	Ω/km	73.4	50.0	28.4
Capacitance between conductors at 1 kHz, appr.	nF/km	75	85	100

Operating voltag, peak value	300 V
Voltage test	2.0 kV rms
Insulation resistance, minimum	5 GΩ·km
Inductance, approximate	0.7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 50°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 113/08/07, PN-EN 50288-7
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1165 003	2 x 2 x 0,5	9.1	34.2	105
1165 014	4 x 2 x 0,5	10.4	58.8	137
1165 001	6 x 2 x 0,5	12.1	83.3	181
1165 010	8 x 2 x 0,5	12.8	107.9	218
1165 021	10 x 2 x 0,5	14.3	132.5	260
1165 002	12 x 2 x 0,5	14.9	157.1	296
1165 015	16 x 2 x 0,5	16.7	206.2	373
1165 022	20 x 2 x 0,5	18.3	255.4	459
1165 023	24 x 2 x 0,5	19.7	304.5	535

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1165 004	2 x 2 x 1,3	11.8	64.9	166
1165 008	4 x 2 x 1,3	13.6	120.2	236
1165 016	6 x 2 x 1,3	16.1	175.5	324
1165 017	8 x 2 x 1,3	17.1	230.8	401
1165 018	10 x 2 x 1,3	19.4	286.1	487
1165 019	12 x 2 x 1,3	20.2	341.4	563
1165 012	16 x 2 x 1,3	23.1	452.0	732
1165 020	20 x 2 x 1,3	25.6	562.6	911
1165 024	24 x 2 x 1,3	27.7	673.2	1070

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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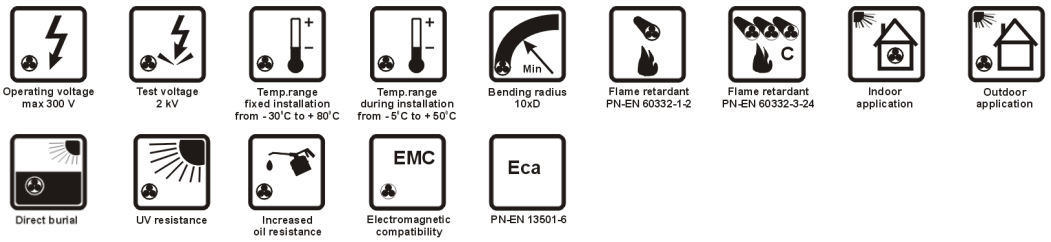
RoHS COMPLIANT CE

RE-2Y(St)Yv-fl



APPLICATIONS

RE-2Y(St)Yv-fl are multipair, overall shielded cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

High digital data transmission performance is achieved by polyethylene insulation and small capacitance of cable circuits.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- polyethylene (PE) insulation - identification colour code:
  - ”a” wire – black insulation and white pair number printed on it,
  - ”b” wire – white insulation and black pair number printed on it,
- insulated conductors twisted into pairs,
- pairs and an orange communication conductor laid-up into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- enhanced, oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005 or blue RAL 5015 (for intrinsically safe circuits).

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.3
DC loop resistance at 20°C, maximum	Ω/km	73.4	50.0	28.4
Capacitance between conductors at 1 kHz, appr. (*)	nF/km	60	65	75

(*) this value may be 20% higher for cables with four pairs or less.

Operating voltag, peak value	300 V
Voltage test	2.0 kV rms
Insulation resistance, minimum	5 GΩ·km
Inductance, approximate	0.7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 50°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24
Oil resistance	PN-EN 60811-404
Referance standards	DT 113/08/07, PN-EN 50288-7
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1411 015	1 x 2 x 0,5	6.4	19.2	61
1411 016	2 x 2 x 0,5	8.6	28.8	92
1411 005	4 x 2 x 0,5	9.7	48.0	119
1411 006	6 x 2 x 0,5	11.3	67.2	153
1411 017	8 x 2 x 0,5	11.9	86.4	180
1411 018	10 x 2 x 0,5	13.3	105.6	214
1411 019	12 x 2 x 0,5	13.9	124.8	240
1411 020	26 x 2 x 0,5	18.9	259.2	436
1411 021	20 x 2 x 0,5	17.0	201.6	354
1411 022	24 x 2 x 0,5	18.3	240.0	409
1411 007	1 x 2 x 0,75	7.0	24.0	72
1411 023	2 x 2 x 0,75	9.6	38.4	115
1411 004	4 x 2 x 0,75	10.9	67.2	151
1411 024	6 x 2 x 0,75	12.7	96.0	199
1411 008	8 x 2 x 0,75	13.5	124.8	240
1411 025	10 x 2 x 0,75	15.2	153.6	287

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1411 026	12 x 2 x 0,75	15.8	182.4	324
1411 009	16 x 2 x 0,75	17.7	240.0	407
1411 027	20 x 2 x 0,75	19.4	297.6	488
1411 028	24 x 2 x 0,75	21.0	355.2	569
1411 010	1 x 2 x 1,3	8.0	34.6	94
1411 003	2 x 2 x 1,3	11.3	59.5	154
1411 029	3 x 2 x 1,3	11.9	84.5	180
1411 011	4 x 2 x 1,3	13.0	109.4	218
1411 012	6 x 2 x 1,3	15.3	159.4	295
1411 013	8 x 2 x 1,3	16.3	209.3	362
1411 030	10 x 2 x 1,3	18.4	259.2	438
1411 031	12 x 2 x 1,3	19.2	309.1	501
1411 014	16 x 2 x 1,3	21.9	409.0	648
1411 032	20 x 2 x 1,3	24.0	508.8	783
1411 033	24 x 2 x 1,3	26.2	608.6	929

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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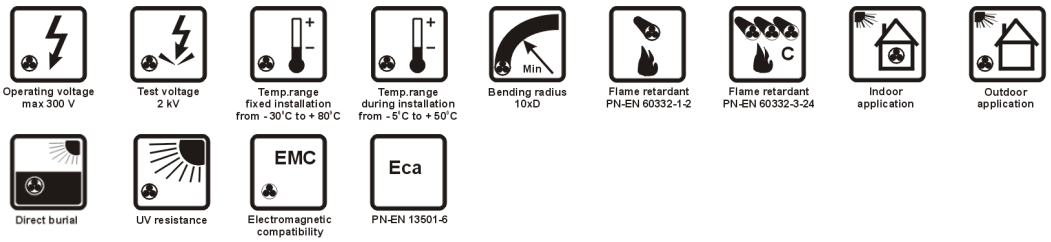
RoHS COMPLIANT

CE

RE-2Y(St)Yv-fl PIMF



APPLICATIONS

RE-2Y(St)Yv-fl PIMF are multipair, pair and overall shielded cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

High digital data transmission performance is achieved by polyethylene insulation and small capacitance of cable circuits.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor and outdoor installations in dry and wet locations, also for direct earth burial.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- polyethylene (PE) insulation - identification colour code:
  - ”a” wire – black insulation and white pair number printed on it,
  - ”b” wire – white insulation and black pair number printed on it,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs and an orange communication conductor laid-up into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- enhanced, oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005 or blue RAL 5015 (for intrinsically safe circuits).

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.3
DC loop resistance at 20°C, maximum	Ω/km	73.4	50.0	28.4
Capacitance between conductors at 1 kHz, appr.	nF/km	75	85	100

Operating voltage, peak value	300 V
Voltage test	2.0 kV rms
Insulation resistance, minimum	5 GΩ·km
Inductance, approximate	0.7 mH/km
Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant

Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	DT 113/08/07, PN-EN 50288-7
Oil resistance	PN-EN 60811-404
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1412 010	2 x 2 x 0,5	9.1	34.2	109
1412 008	4 x 2 x 0,5	10.4	58.8	142
1412 012	6 x 2 x 0,5	12.1	83.3	187
1412 021	8 x 2 x 0,5	12.8	107.9	225
1412 011	10 x 2 x 0,5	14.3	132.5	268
1412 009	12 x 2 x 0,5	14.9	157.1	304
1412 022	26 x 2 x 0,5	20.4	329.1	658
1412 023	20 x 2 x 0,5	18.3	255.4	469
1412 024	24 x 2 x 0,5	19.7	304.5	546
1412 015	2 x 2 x 0,75	10.1	43.8	129
1412 026	4 x 2 x 0,75	11.5	78.0	176
1412 007	6 x 2 x 0,75	13.5	112.1	235
1412 003	8 x 2 x 0,75	14.3	146.3	285
1412 016	10 x 2 x 0,75	16.1	180.5	344

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1412 001	12 x 2 x 0,75	16.8	214.7	393
1412 002	16 x 2 x 0,75	18.9	283.0	498
1412 027	20 x 2 x 0,75	20.7	351.4	611
1412 028	24 x 2 x 0,75	22.6	419.7	726
1412 017	2 x 2 x 1,3	11.8	64.9	172
1412 030	3 x 2 x 1,3	12.5	92.5	200
1412 031	4 x 2 x 1,3	13.6	120.2	244
1412 032	6 x 2 x 1,3	16.1	175.5	333
1412 033	8 x 2 x 1,3	17.1	230.8	410
1412 034	10 x 2 x 1,3	19.4	286.1	498
1412 035	12 x 2 x 1,3	20.2	341.4	574
1412 036	16 x 2 x 1,3	23.1	452.0	746
1412 037	20 x 2 x 1,3	25.6	562.6	927
1412 018	24 x 2 x 1,3	27.7	673.2	1087

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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Li2Y(St)Y 1x2x16 AWG

APPLICATIONS

Li2Y(St)Y 1x2x16 AWG is a cable intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

An electrostatic shield protects the cable against interference by external electric fields.

The cable is suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of tin-plated copper wires 16 AWG (19x0.287 mm),
- polyethylene (PE) insulation - identification colour code: black, natural,
- two insulated conductors twisted into a pair which is a cable core,
- shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- cross-section 18 AWG (19x0.254 mm),
- PVC cable sheath, grey RAL 7037, other colours also available.

CHARACTERISTICS

Operating voltage	150 V
Voltage test	1500 V rms
Mutual capacitance at 1 kHz, approximate	75 nF/km
Inductance, approximate	0.6 mH/km
DC loop resistance at 20°C, maximum	29.6 Ω/km
Insulation resistance, minimum	5 GΩ·km
Operating temperature range	from - 20 to + 80°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 42/04/04
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x dimension of conductor	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	AWG	mm	kg/km	kg/km
0045 009	1 x 2 x 16	8.0	34.6	78

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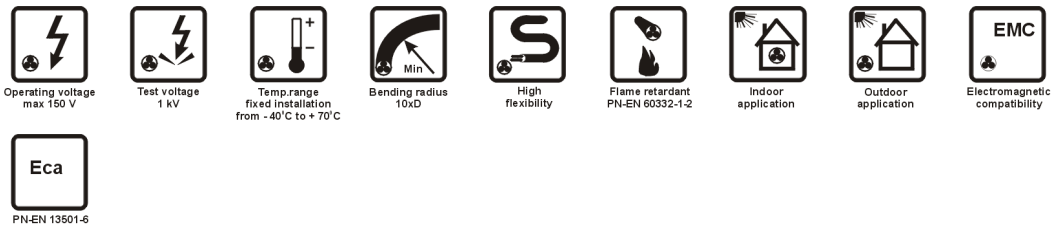
RoHS COMPLIANT CE

Li2Y2YCY 2x1,5 mm²



APPLICATIONS

Li2Y2YCY 2x1,5 mm² cable is intended for industrial computer systems.

Low capacitance between conductors is a distinctive feature of the cable.

For proper transmission of digital and analogue signals the cable is protected by a specially designed and highly effective collective shield against external electromagnetic interferences.

The cable is suitable for indoor and outdoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires, cross-section 1.5 mm²,
- polyethylene (PE) insulation - identification colour code: natural, brown,
- two insulated conductors twisted into a pair which is a cable core,
- cable core wrapped in polyester tape,
- inner PE sheath,
- tinned copper wire braid shield of coverage bigger than 80%,
- cold resistant PVC cable sheath, coloured according to customer's requirement.

CHARACTERISTICS

Operating voltage	150 V
Voltage test	1000 V rms
Mutual capacitance at 1 kHz, approximate	52 nF/km
Inductance, approximate	750 µH/km
DC loop resistance at 20°C, maximum	26.6 Ω/km
Insulation resistance, minimum	10 GΩ·km
Operating temperature range	from - 40 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 8/08/01
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0048 001	2x1,5	12.5	90.9	194

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RoHS COMPLIANT

LiO2YS(St)CY-O nx2x0,22c mm²


Operating voltage max 150 V


Test voltage 500 V


Temp.range fixed installation from - 30°C to + 80°C


Temp.range during installation from - 5°C to + 70°C

Bending radius 15xD


Flame retardant PN-EN 60332-1-2


Indoor application

Electromagnetic compatibility


Increased oil resistance

PN-EN 13501-6

APPLICATIONS

LiO2YS(St)CY-O nx2x0,22c mm² cables are intended for industrial computer systems with RS-232 and RS-422 interfaces.

Low capacitance between conductors is a distinctive feature of the cables.

For proper transmission of digital and analogue signals the cable is protected by a specially designed and highly effective collective shield against external electromagnetic interferences.

The cables are designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for indoor installations connecting fixed and movable equipment.

CONSTRUCTION

- flexible, multiwire conductors, stranded of tin-plated copper wires (7x0.2 mm),
- foam-skin polyethylene insulation - special system of insulation colours in pairs,
- insulated conductors twisted into pairs,
- pairs laid-up into a cable core,
- collective shield, incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire under tinned copper wire braid shield of coverage bigger than 65%,
- oil resistant PVC cable sheath, black RAL 9005, other colours also available.

CHARACTERISTICS

Impedance, approximate	100 ± 15 Ω
Mutual capacitance at 1 kHz	41 ± 3 nF/km
DC loop resistance at 20°C, maximum	184 Ω/km
Insulation resistance, minimum	200 MΩ·km
Operating voltage	150 V
Voltage test	500 V rms
Attenuation loss, [dB/100m] max - at frequency [MHz]:	
1	2.5
10	6.5
50	12.5

Operating temperature range	
for fixed installation	from - 30 to + 80°C
for movable installation	from - 5 to + 70°C
Minimum bending radius	15 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Oil resistance	PN-EN 60811-404
Referance standards	DT 9/08/01
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0079 002	2 x 2 x 0,22c	7.3	24.9	58.7

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BUS O2YS(St)CY 1x2x1,0/2,6 mm

APPLICATIONS

BUS O2YS(St)CY 1x2x1,0/2,6 mm is cable intended for industrial PROFIBUS PA control systems.

For proper transmission of digital and analogue signals the cable is protected by a specially designed and highly effective collective shield against external electromagnetic interferences.

Cable outer sheath is oil-resistant.

The cables are suitable for fixed indoor installations.

CONSTRUCTION

- annealed copper single wire round conductors of diameter 1.0 mm,
- foam-skin polyethylene insulation - identification colour code: blue and orange,
- insulated conductors twisted into a pair,
- collective shield incorporating an aluminium-polyester tape under a tinned copper wire braid,
- oil resistant PVC sheath, blue RAL 5015, other colours also available.

AVAILABLE UPON REQUEST

BUS O2YS(St)CYv 1x2x1,0/2,6 mm - cable of enhanced and oil resistant PVC sheath, suitable for outdoor installations and direct earth burial.

BUS O2YS(St)CY2Y 1x2x1,0/2,6 mm - cable with additional polyethylene (PE) sheath, suitable for outdoor installations and direct earth burial.

CHARACTERISTICS

Impedance, approximate	100 ± 20 Ω
Mutual capacitance at 1 kHz	45 nF/km
Insulation resistance, minimum	5 GΩ·km
Operating voltage	100 V
Attenuation loss, maximum at 38.4 MHz	3 dB/km
Attenuation loss, [dB/100m] max - at frequency [MHz]:	
1	1.2
4	2.2
10	3.2
16	4.2
Transfer impedance at 30 MHz, maximum	50 mΩ/m
DC loop resistance at 20°C, maximum	44 Ω/km
DC shield resistance at 20°C, maximum	9.5 Ω/km
Voltage test	700 V rms
Operating temperature range	from - 30 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Oil resistance	PN-EN 60811-404
Referance standards	DT 73/09/05, IEC 61158-2
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Cable type	Number of pairs x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm	mm	kg/km	kg/km
0182 002	O2YS(St)CY	1x2x1,0/2,6	8.0	31	76.5
0182 004	O2YS(St)CYv	1x2x1,0/2,6	9.6	31	109

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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BUS O2YS(St)CY 1x2x0,64/2,6 mm

APPLICATIONS

BUS O2YS(St)CY 1x2x0,64/2,6 mm is cable intended for industrial PROFIBUS DP control systems.

For proper transmission of digital and analogue signals the cable is protected by a specially designed and highly effective collective shield against external electromagnetic interferences.

Cable outer sheath is oil-resistant.

The cables are suitable for fixed indoor installations.

CONSTRUCTION

- bare annealed copper single wire conductors of diameter 0.64 mm (22 AWG),
- foam-skin polyethylene insulation - identification colour code: red and green,
- insulated conductors twisted into a pair,
- collective shield incorporating an aluminium-polyester tape under a tinned copper wire braid,
- voilet PVC cable sheath.

AVAILABLE UPON REQUEST

BUS O2YS(St)CYv 1x2x0,64/2,6 mm - cable of enhanced and oil resistant PVC sheath, suitable for outdoor installations and direct earth burial.

BUS O2YS(St)CY2Y 1x2x0,64/2,6 mm - cable with additional polyethylene (PE) sheath, suitable for outdoor installations and direct earth burial.

CHARACTERISTIC

Impedance, approximate	150 ± 15 Ω
Mutual capacitance at 1 kHz, approximate	30 nF/km
Insulation resistance, minimum	5 GΩ·km
Operating voltage	100 V
Attenuation loss, maximum at 38.4 MHz	4 dB/km
Attenuation loss, [dB/100m] max - at frequency [MHz]:	
1	1.2
4	2.2
10	3.2
16	4.2
Transfer impedance at 30 MHz, maximum	50 mΩ/m

DC loop resistance at 20°C, maximum	110 Ω/km
DC shield resistance at 20°C, maximum	9.7 Ω/km
Voltage test	700 V rms
Operating temperature range	from - 30 to + 70°C
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 23/06/03, DIN 19245 T3, EN 50170
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Cable type	Number of conductors x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm	mm	kg/km	kg/km
0182 001	O2YS(St)CY	1x2x0,64/2,6	8.0	20.5	67
0182 003	O2YS(St)CYv	1x2x0,64/2,6	10.0	20.9	108

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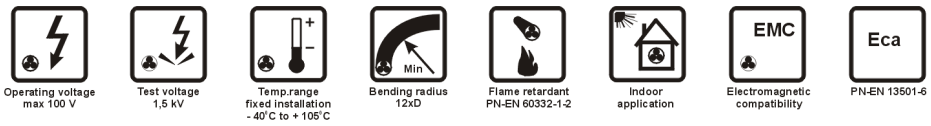
FFBUS 105°C 1x2x18 AWG



APPLICATIONS

FFBUS 105°C 1x2x18 AWG cable is intended for FOUNDATION fieldbus systems.

For proper transmission of digital and analogue signals the cable is protected by a specially designed and highly effective collective shield against external electromagnetic interferences.

The cable is suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- 18 AWG flexible multiwire conductors, stranded of annealed tin-plated copper wires (7x0.4 mm),
- foam-skin polyethylene insulation - identification colour code: blue, brown,
- insulated conductors twisted into pairs,
- collective shield, incorporating an aluminium-polyester tape and a stranded annealed tinned copper drain wire under a tinned copper wire braid shield of coverage bigger than 60%,
- heat resistant PVC cable sheath, colours on request.

CHARACTERISTICS

Impedance, approximate	100 ± 20 Ω
Mutual capacitance at 1 kHz, appr.	50 nF/km
Insulation resistance, minimum	150 MΩ·km
Operating voltage	100 V
Attenuation loss, max - at frequency 39 kHz	3 dB/km
Inductance, approximate	0.5 nF/km
DC loop resistance at 20°C, maximum	19.6 Ω/km
Voltage test	1500 V rms

Operating temperature range	from - 40 to + 105°C
Minimum bending radius	12 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	IEC 61158-2
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of pairs x conductor size	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	AWG	mm	kg/km	kg/km
0901 003	1 x 2 x 18c	7.8	40	68

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LON BUS 1x2x16 AWG

APPLICATIONS

LON BUS 1x2x16 AWG cable is intended for wiring LONWORKS bus in automation systems.

The cable is suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- 16 AWG flexible multiwire conductors, stranded of annealed tin-plated copper wires (19x0.29 mm),
- special PVC insulation - identification colour code: white, black,
- insulated conductors twisted into pairs,
- PVC cable sheath, grey RAL 7037, other colours also available.

CHARACTERISTICS

Operating voltage	300 V
Mutual capacitance at 1 kHz, max.	80 nF/km
Insulation resistance, minimum	100 MΩ·km
Inductance, approximate	0.6 mH/km
Voltage test	1500 V rms
DC loop resistance at 20°C, maximum	29.6 Ω/km
Operating temperature range	from - 20 to + 80 °C
Minimum bending radius	15 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Oil resistance	PN-EN 60811-404
Referance standards	DT 89/01/06, IEC 61158, PN-EN 50170
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor size	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	AWG	mm	kg/km	kg/km
0901 001	1 x 2 x 16	6.9	25.8	60

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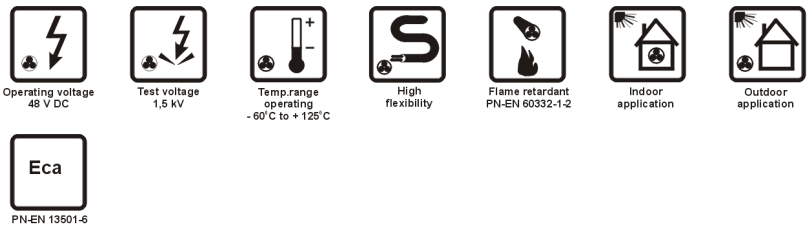
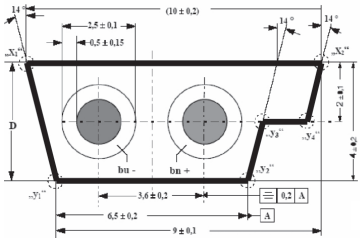
RoHS COMPLIANT CE

TECHNOTRONIK C-BUS/A/J 2x1,5 mm²





APPLICATIONS

TECHNOTRONIK C-BUS/A/J 2x1,5 mm² cable is intended for industrial AS-I bus control systems.

The cable is applied for connecting a control unit with sensors and actuators to provide power supply and data transmission.

The cable is suitable for indoor and outdoor installations.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of annealed tin-plated copper wires, meeting requirements of class 6 per PN-EN 60228, cross-section 1.5 mm²,
- wire insulation made of thermoplastic elastomer (TPE-S),
- insulated conductors arranged in parallel along the cable at constant distance between them,
- identification colour code: brown, blue,
- yellow cable sheath made of thermoplastic elastomer (TPE-S).

CHARACTERISTICS

Characteristic impedance	120 ± 20 Ω
Mutual capacitance at 1 kHz	45 ± 5 nF/km
Inductance, approximate	0.64 mH/km
DC conductor resistance at 20°C, maximum	13.7 Ω/km
Insulation resistance, minimum	20 MΩ·km
Operating voltage	48 V DC
Voltage test	1500 V rms
Operating temperature range	from - 60 to + 125 °C
Minimum bending radius	
for fixed installation	3x thickness or 4x width
for movable installation	6x thickness or 10x width
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	EN 50295
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer dimensions (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0471 001	2 x 1.5	4.0 x 10.0	28.8	74.5

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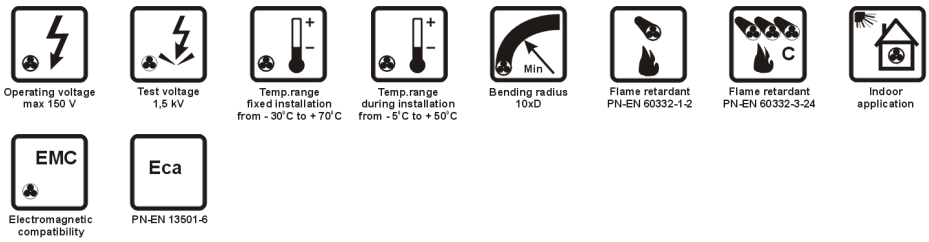
EIB BUS, EIB BUS-H



APPLICATIONS

EIB BUS and **EIB BUS-H** cables are intended for connecting control and signalling equipment operating in intelligent buildings according to European Installation Bus (EIB) systems.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

Cables pass combustibility test according to EN 60332-3 standard.

EIB BUS-H cable is applied in locations where, in case of fire, higher safety for human beings and expensive electronic equipment is required. The cable is flame retardant and its smoke emission is low, emitted fumes are non toxic and non corrosive.

The cables are suitable for fixed indoor installations.

CONSTRUCTION EIB BUS 2x2x0.8

- bare annealed copper single wire round conductors of diameter 0.8 mm,
- PVC insulation - white, yellow, red and black,
- insulated conductors twisted into a quad,
- cable core wrapped in a polyester tape,
- overall electrostatic shield incorporating a plastic laminated metal foil and a tinned copper drain wire,
- PVC cable sheath (oxygen index bigger than 29%), green RAL 6018, other colours also available.

CONSTRUCTION EIB BUS-H 2x2x0,8

- bare annealed copper single wire round conductors of diameter 0.8 mm,
- PE insulation - white, yellow, red and black,
- insulated conductors twisted into a quad,
- cable core wrapped in a polyester tape,
- overall electrostatic shield incorporating a plastic laminated metal foil and a tinned copper drain wire,
- cable sheath of halogen free compound, green RAL 6018, other colours also available.

AVAILABLE UPON REQUEST

EIB BUS 3x2x0.8 mm - cable with three pairs.

EIB-CY BUS - tinned copper wire braid shielded cable.

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CHARACTERISTICS

Characteristic impedance (EIB BUS-H)	100 ± 20 Ω
Mutual capacitance at 1 kHz:	
EIB BUS	100 ± 5 nF/km
EIB BUS-H	47 ± 5 nF/km
Insulation resistance, minimum	200 MΩ · km
Operating voltage	150 V
Voltage test	1500 V rms
DC loop resistance at 20°C, maximum	75 Ω/km
Operating temperature range:	
during operation	from - 30 to + 70 °C
during installation	from - 5 to + 50 °C

Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24 , IEC 60332-3-24
Oil resistance	PN-EN 60811-404
Referance standards	WT-TK-4
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Product symbol	Number of pairs x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm	mm	kg/km	kg/km
0626 001	EIB BUS	2 x 2 x 0.8	6.1	20.5	53
1269 001	EIB BUS-H	2 x 2 x 0.8	6.2	20.5	48

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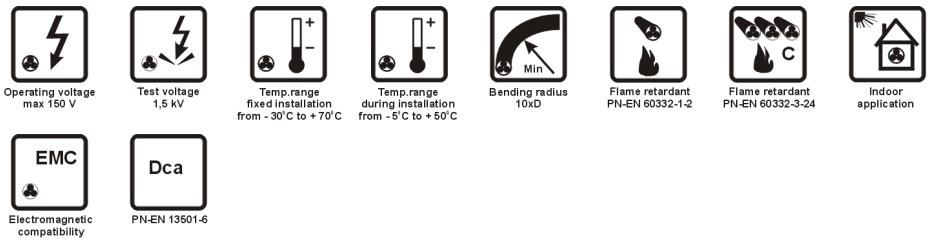
EIB BUS-H2



APPLICATIONS

EIB BUS-H2 cable is intended for connecting control and signalling equipment operating in intelligent buildings according to European Installation Bus (EIB) systems.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

Cables pass combustibility test according to EN 60332-3 standard.

Cable is applied in locations where, in case of fire, higher safety for human beings and expensive electronic equipment is required. The cable is flame retardant and its smoke emission is low, emitted fumes are non toxic and non corrosive.

The cables are suitable for fixed indoor installations.

CONSTRUCTION

- bare annealed copper single wire round conductors of diameter 0.8 mm,
- insulation made of halogen free compound (HFFR) - white, yellow, red and black,
- insulated conductors twisted into a quad,
- cable core wrapped in a polyester tape,
- overall electrostatic shield incorporating a plastic laminated metal foil and a tinned copper drain wire,
- cable sheath made of halogen free compound, green RAL 6018, other colours also available.

CHARACTERISTICS

Characteristic impedance (EIB BUS-H)	100 ± 20 Ω
Mutual capacitance at 1 kHz	100 ± 5 nF/km
Insulation resistance, minimum	20 MΩ · km
Operating voltage	150 V
Voltage test	1500 V rms
DC loop resistance at 20°C, maximum	75 Ω/km
Operating temperature range:	
during operation	from - 30 to + 70 °C
during installation	from - 5 to + 50 °C
Corrosivity of emitted gases per	very low, halogen free PN-EN 60754-1, PN-EN 60754-2, IEC 60754-2
pH	>4.3
conductivity	<2.5 µS/mm

Smoke density	low smoke density, PN-EN 61034-2, I EC 61034-2
Light transmittance,	min. 80%
Minimum bending radius	10 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	WT-TK-4
CPR – class reaction on fire	Dca-s1a,d0,a1
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

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Product No.	Number of pairs x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm	mm	kg/km	kg/km
1956 001	2 x 2 x 0.8	6.1	20.5	58

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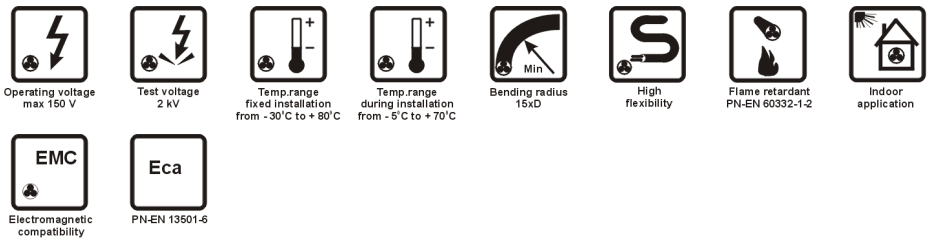
LiY(St)Y-P nx(2x0,5c) (equivalent: NOMAK)



APPLICATIONS

LiY(St)Y-P nx(2x0,5c) are multipair, overall shielded cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor installations connecting fixed and movable equipment.

The cable is also suitable for Maxi-Termi-Point jointing technique.

CONSTRUCTION

- flexible, multiwire conductors, stranded of tin-plated copper wires (7x0.3 mm), meeting requirements of class 2 per PN-EN 60228,
- PVC insulation,
- insulated conductors twisted into pairs, identification colour code:
  - ”a” wire – orange insulation and black pair number printed on it,
  - ”b” wire – white insulation and black pair number printed on it,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section 0.5 mm2 (7x0.3 mm),
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

LiH(St)H-P nx(2x0,5c) (equivalent: **NOMAK-HF**) - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

LiY(St)Yu-P nx(2x0,5c) - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

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RoHS COMPLIANT CE

CHARACTERISTICS

Characteristic impedance at 10 MHz	100 ± 10 Ω
Mutual capacitance at 800 Hz	100 nF/km (*)
Insulation resistance, minimum	20 MΩ · km
Operating voltage	150 V
Voltage test	2.0 kV rms
DC loop resistance at 20°C, maximum	81 Ω/km
Attenuation loss, [dB/100m] max - at frequency [kHz]:	
9,6	0.3
19,2	0.5
64	0.7
100	0.9
200	1.5
1000	2.9

Operating temperature range:	
for fixed installation	from - 30 to + 80 °C
for movable installation	from - 5 to + 70 °C
Minimum bending radius	15 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 83/11/05
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

(*) this value can be higher by 20 % in four or less pair cable

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0092 010	2 x (2 x 0,5c)	6.9	24.0	58
0092 009	4 x (2 x 0,5c)	8.2	43.2	87
0092 012	8 x (2 x 0,5c)	10.5	82.0	153
0092 011	12 x (2 x 0,5c)	12.7	120.0	220
0092 013	24 x (2 x 0,5c)	17.4	235.0	415
0092 014	48 x (2 x 0,5c)	24.3	466.0	810

Other cross-sections and pair counts available on request.
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Li2Y(St)(St)Y-P nx(2+1)x0,5c mm²
(equivalent: JAMAK)

APPLICATIONS

Li2Y(St)(St)Y-P nx(2+1)x0,5c mm² are multipair, pair and overall shielded cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

High digital data transmission performance is achieved by polyethylene insulation and small capacitance of cable circuits.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for indoor installations connecting fixed and movable equipment.

The cable is also suitable for Maxi-Termi-Point jointing technique.

CONSTRUCTION

- flexible, multiwire conductors, stranded of tin-plated copper wires (7x0.3 mm), meeting requirements of class 2 per PN-EN 60228,
- polyethylene (PE) insulation - identification colour code:

  ”a” wire – blue,

  ”b” wire – red,
- insulated conductors twisted into pairs,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section 0.5 mm² (7x0.3 mm),
- shielded pairs bounded up with a polypropylene binder marked with pair number,
- shielded pairs laid-up in layers,
- overall shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section 0.5 mm² (7x0.3 mm),
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

Li2Y(St)(St)Y-P (1) n x (2+1) x 0,5 mm² (equivalent: **JAMAK-C**) - cables with overall electrostatic shield, incorporating two plastic laminated metal foils and stranded annealed tinned copper drain wire.

Li2Y(St)(St)H-P n x (2+1) x 0,5 mm² (equivalent: **JAMAK-HF**) - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

Li2Y(St)(St)Yu-P n x (2+1) x 0,5 mm² - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

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CHARACTERISTICS

Characteristic impedance at 10 MHz	70 ± 10 Ω
Mutual capacitance at 800 kHz	85 ± 3 nF/km
DC loop resistance at 20°C, maximum	81 Ω/km
Insulation resistance, minimum	2 GΩ · km
Operating voltage	75 V
Voltage test	2.0 kV rms
Attenuation loss, [dB/100m] max - at frequency [kHz]:	
9.6	0.3
19.2	0.5
64	0.7
100	0.9
200	1.6
1000	4.5

Operating temperature range:	
for fixed installation	from -30 to +80 °C
for movable installation	from -5 to +70 °C
Minimum bending radius	15 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	DT 219/04/16
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0039 011	2 x (2+1) x 0,5	8.0	33.6	78
0039 009	4 x (2+1) x 0,5	9.4	62.4	125
0039 007	8 x (2+1) x 0,5	13.0	120.0	228
0039 012	12 x (2+1) x 0,5	15.1	177.6	315
0039 013	24 x (2+1) x 0,5	21.1	350.4	606
0039 014	48 x (2+1) x 0,5	29.1	696.0	1157

Other cross-sections and pair counts available on request.
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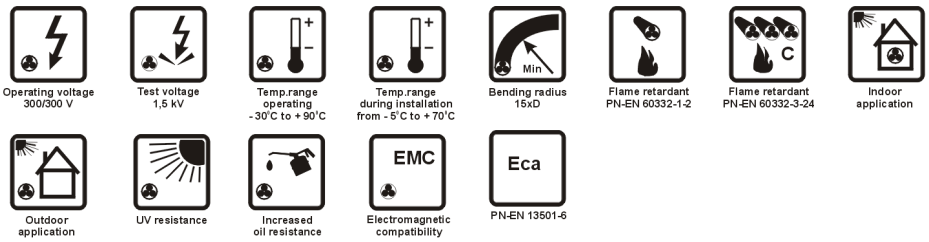
EG SF, EG FA



APPLICATIONS

EG SF and **EG FA** instrumentation cables are intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications, allowing particularly for conditions met in chemical, petrochemical and paper industries.

The cables are protected by an overall electrostatic shield against external electric interferences.

Steel tape armour in **EG FA** cables offers enhanced protection against mechanical damages and rodent attack.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for fixed indoor and outdoor installations.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and offer enhanced resistance to aliphatic hydrocarbons.

CONSTRUCTION

- bare annealed copper wire conductors,
  05 – 0.50 mm^2 (1x0.8 mm),
  09 – 0.88 mm^2 (7x0.4 mm),
  15 – 1.50 mm^2 (7x0.52 mm),
- heat resistant PVC insulation,
- insulated conductors twisted into:
  pairs **IP** - colour code: white and red insulation and black pair number printed on white insulation,
  triads **IT** - colour code: white, red and blue insulation and black triad number printed on white insulation,
  quads **IQ** - colour code: white, red, blue and yellow insulation for identification,
- pairs, triads or quads laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section 0.22 mm^2 (7x0.2 mm),
- special PVC cable sheath, blue (RAL 5012), other colours also available,
- steel tape armour for **EG FA** cable,
- special PVC cable covering, blue (RAL 5012), other colours also available.

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CHARACTERISTICS

DC loop resistance at 20°C, maximum:	
conductor 0.50 mm²	75.0 Ω/km
conductor 0.88 mm²	42.8 Ω/km
conductor 1.50 mm²	24.2 Ω/km
Resistance unbalance, maximum:	
conductor 0.50 mm²	1.120 Ω/km
conductor 0.88 mm²	1.070 Ω/km
conductor 1.50 mm²	0.605 Ω/km
Operating voltage Uo/U	300/300 V
Voltage test	
conductor/conductor	1500 V rms
conductor/screen	1000 V rms
Insulation resistance, minimum:	500 MΩ·km
Mutual capacitance, max (this value may be 30% higher for one pair or triad):	
conductor 0.50 mm²	145 nF/km
conductor 0.88 mm²	160 nF/km
conductor 1.50 mm²	150 nF/km

Operating temperature range	
during operation	from - 30 to + 90°C
during installation	from - 5 to + 70°C
Minimum bending radius	15 x cable diameter
Resistance to aliphatic hydrocarbons	NF M 87-202 Annex A
Oil resistance	PN-EN 60811-404
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-3N 60332-3-24, IEC 60332-3-24
Referance standards	DT 68/06/05, NF M 87-202
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Cable type	Number of pairs/ triads/ quads (x 2/3/4) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm²	mm	kg/km	kg/km
1421 010	03 IP 05 EG SF	3 x 2 x 0,5	8.4	31.0	84
1421 007	07 IP 05 EG SF	7 x 2 x 0,5	10.9	70.0	157
1421 008	12 IP 05 EG SF	12 x 2 x 0,5	13.9	118.0	255
1421 009	19 IP 05 EG SF	19 x 2 x 0,5	17.1	185.0	388
1421 011	27 IP 05 EG SF	27 x 2 x 0,5	19.0	262.0	510
1422 004	07 IT 05 EG SF	7 x 3 x 0,5	12.4	103.0	219
1422 005	12 IT 05 EG SF	12 x 3 x 0,5	15.9	175.0	366
1421 001	01 IP 09 EG SF	1 x 2 x 0,88	6.6	20.0	60
1421 002	03 IP 09 EG SF	3 x 2 x 0,88	10.3	53.0	126
1421 003	07 IP 09 EG SF	7 x 2 x 0,88	13.7	121.0	252
1421 004	12 IP 09 EG SF	12 x 2 x 0,88	17.5	205.0	412
1421 005	19 IP 09 EG SF	19 x 2 x 0,88	21.3	324.0	621
1421 006	27 IP 09 EG SF	27 x 2 x 0,88	25.1	459.0	864
1422 001	01 IT 09 EG SF	1 x 3 x 0,88	7.0	28.0	70
1422 002	07 IT 09 EG SF	7 x 3 x 0,88	15.8	180.0	363
1422 003	12 IT 09 EG SF	12 x 3 x 0,88	20.0	307.0	595
1726 001	01 IQ 09 EG SF	1 x 4 x 0,88	7.5	36.0	85

Product No.	Cable type	Number of pairs/ triads/ quads (x 2/3/4) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm^2	mm	kg/km	kg/km
0844 009	03 IP 05 EG FA	3 x 2 x 0,5	11.2	31.0	191
0844 010	07 IP 05 EG FA	7 x 2 x 0,5	13.9	70.0	300
0844 015	12 IP 05 EG FA	12 x 2 x 0,5	17.1	118.0	441
0844 016	19 IP 05 EG FA	19 x 2 x 0,5	20.5	185.0	624
0844 011	27 IP 05 EG FA	27 x 2 x 0,5	24.0	262.0	810
0967 003	07 IT 05 EG FA	7 x 3 x 0,5	15.6	103.0	387
0967 004	12 IT 05 EG FA	12 x 3 x 0,5	19.3	175.0	586
0844 004	01 IP 09 EG FA	1 x 2 x 0,88	9.4	20.0	146
0844 006	03 IP 09 EG FA	3 x 2 x 0,88	13.3	53.0	261
0844 001	07 IP 09 EG FA	7 x 2 x 0,88	16.9	121.0	436
0844 017	12 IP 09 EG FA	12 x 2 x 0,88	20.9	205.0	653
0844 005	19 IP 09 EG FA	19 x 2 x 0,88	25.1	324.0	936
0844 019	24 IP 09 EG FA	24 x 2 x 0,88	27.4	408.0	1090
0844 003	27 IP 09 EG FA	27 x 2 x 0,88	29.1	459.0	1245
0967 005	01 IT 09 EG FA	1 x 3 x 0,88	9.8	28.0	161
0967 006	07 IT 09 EG FA	7 x 3 x 0,88	19.0	180.0	573
0967 007	12 IT 09 EG FA	12 x 3 x 0,88	23.4	307.0	869
0883 001	01 IQ 09 EG FA	1 x 4 x 0,88	10.3	36.0	182
0844 012	01 IP 15 EG FA	1 x 2 x 0,88	10.7	28.0	161
0844 013	07 IP 15 EG FA	7 x 2 x 0,88	20.6	180.0	573
0844 014	12 IP 15 EG FA	12 x 2 x 0,88	25.7	307.0	869

Other cross-sections and pair, triad or quad counts available on request.
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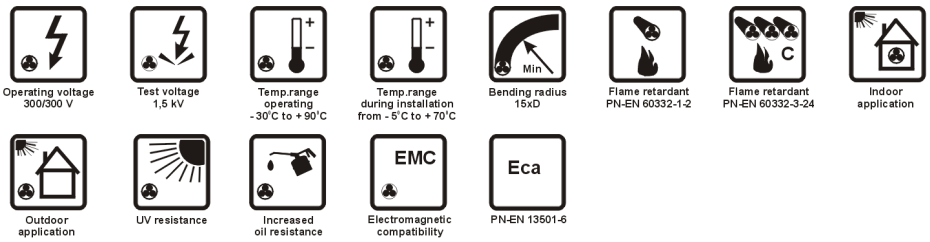
RoHS COMPLIANT CE

EI SF, EI FA



APPLICATIONS

EI SF and **EI FA** instrumentation cables are intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications, allowing particularly for conditions met in chemical, petrochemical and paper industries.

The cables are protected by an overall electrostatic shield against external electric interferences.

Shielded pair structure substantially decreases mutual influence between signals transmitted along the cable.

Steel tape armour in **EI FA** cables offers enhanced protection against mechanical damages and rodent attack.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our Technical Guide) is not exceeded.

The cables are suitable for fixed indoor and outdoor installations.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and offer enhanced resistance to aliphatic hydrocarbons.

CONSTRUCTION

- bare annealed copper wire conductors,
  05 – 0.50 mm^2 (1x0.8 mm),
  09 – 0.88 mm^2 (7x0.4 mm),
  15 – 1.50 mm^2 (7x0.52 mm),
- heat resistant PVC insulation,
- insulated conductors twisted into:
  pairs IP - colour code insulation: white and red,
  triads IT - colour code insulation: white, red and blue,
- pair/triad electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section 0.22 mm^2 (7x0.2 mm),
- special PVC sheath of shielded pairs/triads, blue (RAL 5012), other colours also available and printed black number of pair or triad,
- shielded and sheathed pairs or triads laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire, cross-section 0.22 mm^2 (7x0.2 mm), number of drain wires from 1 to 3 depending on the cable core diameter,
- special PVC cable sheath, blue (RAL 5012), other colours also available,

- steel tape armour for **EI FA** cable,
- special PVC cable covering, blue (RAL 5012), other colours also available.

CHARACTERISTICS

DC loop resistance at 20°C, maximum:	
conductor 0.50 mm²	75.0 Ω/km
conductor 0.88 mm²	42.8 Ω/km
conductor 1.50 mm²	24.2 Ω/km
Resistance unbalance, maximum:	
conductor 0.50 mm²	1.120 Ω/km
conductor 0.88 mm²	1.070 Ω/km
conductor 1.50 mm²	0.605 Ω/km
Operating voltage Uo/U	300/300 V
Voltage test	
conductor/conductor	1500 V rms
conductor/screen	1000 V rms
Insulation resistance, minimum:	500 MΩ·km
Mutual capacitance, maximum:	
conductor 0.50 mm²	210 nF/km
conductor 0.88 mm²	230 nF/km
conductor 1.50 mm²	220 nF/km

Operating temperature range	
during operation	from - 30 to + 90°C
during installation	from - 5 to + 70°C
Minimum bending radius	15 x cable diameter
Resistance to aliphatic hydrocarbons	NF M 87-202 Annex A
Oil resistance	PN-EN 60811-404
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2, PN-3N 60332-3-24, IEC 60332-3-24
Referance standards	DT 68/06/05, NF M 87-202
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Cable type	Number of pairs/ triads/ quads (x 2/3/4) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm²	mm	kg/km	kg/km
1423 005	03 IP 05 EI SF	3 x 2 x 0,5	12.2	38.0	126
1423 004	07 IP 05 EI SF	7 x 2 x 0,5	17.6	87.0	339
1423 003	12 IP 05 EI SF	12 x 2 x 0,5	23.6	145.0	558
1423 007	19 IP 05 EI SF	19 x 2 x 0,5	29.4	229.0	867
1424 002	07 IT 05 EI SF	7 x 3 x 0,5	18.2	120.0	399
1424 003	12 IT 05 EI SF	12 x 3 x 0,5	24.7	205.0	673
1423 008	03 IP 09 EI SF	3 x 2 x 0,88	15.5	60.0	223
1423 001	07 IP 09 EI SF	7 x 2 x 0,88	20.8	138.0	470
1423 002	12 IP 09 EI SF	12 x 2 x 0,88	28.0	235.0	778
1423 006	19 IP 09 EI SF	19 x 2 x 0,88	34.8	368.0	1207
1282 001	07 IT 09 EI SF	7 x 3 x 0,88	21.7	197.0	574
1424 001	12 IT 09 EI SF	12 x 3 x 0,88	29.4	336.0	970
0874 005	03 IP 05 EI FA	3 x 2 x 0,5	16.4	38.0	348
0874 006	07 IP 05 EI FA	7 x 2 x 0,5	21.0	87.0	581
0874 007	12 IP 05 EI FA	12 x 2 x 0,5	27.2	145.0	891
0874 008	19 IP 05 EI FA	19 x 2 x 0,5	33.0	229.0	1277

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Product No.	Cable type	Number of pairs/ triads/ quads (x 2/3/4) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
		mm^2	mm	kg/km	kg/km
1727 001	07 IT 05 EI FA	7 x 3 x 0,5	21.6	120.0	649
1727 002	12 IT 05 EI FA	12 x 3 x 0,5	28.1	205.0	1006
0874 003	03 IP 09 EI FA	3 x 2 x 0,88	18.7	60.0	440
0874 001	07 IP 09 EI FA	7 x 2 x 0,88	24.2	138.0	754
0874 002	12 IP 09 EI FA	12 x 2 x 0,88	31.8	235.0	1184
0874 004	19 IP 09 EI FA	19 x 2 x 0,88	38.8	368.0	1727
1727 003	07 IT 09 EI FA	7 x 3 x 0,88	25.3	197.0	882
1727 004	12 IT 09 EI FA	12 x 3 x 0,88	29.4	336.0	1397

Other cross-sections and pair or triad counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.

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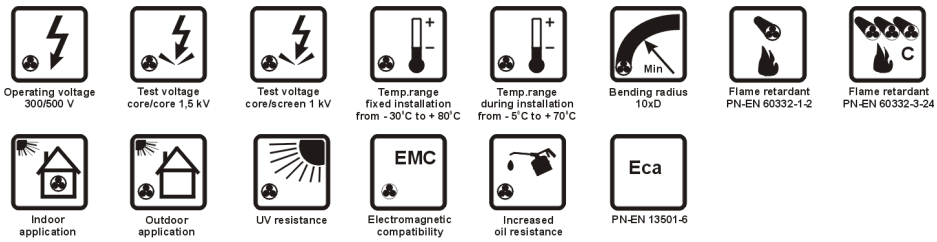
ICA-Y(St)Y 300/500 V



APPLICATIONS

ICA-Y(St)Y 300/500 V are multipair instrumentation cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all in industrial electronics applications, allowing particularly for conditions met in chemical, petrochemical and paper industries.

The cables are protected by an overall electrostatic shield against external electric interferences.

The cables are suitable for fixed indoor and outdoor installations.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

CONSTRUCTION

- bare annealed copper single wire conductors, meeting requirements of class 1 per PN-EN 60228,
- PVC insulation (PVC type T1 acc. to PN-EN 50363-3) - identification colour code: white and red insulation and pair number printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- oil, petrol and UV radiation resistant and special self-extinguishing PVC cable sheath (PVC type TM1 acc. to PN-EN 60363-4-1), black (RAL 9005) other colours also available.

CHARACTERISTICS

Conductor cross-section	mm^2	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	73.4	50.0	36.9	24.7	15.12
Mutual capacitance at 1 kHz, maximum	nF/km	140	150	160	160	180

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Operating voltage Uo/U	300/500 V
Insulation resistance, minimum	20 MΩ·km
Voltage test	
conductor/conductor	1500 V rms
conductor/screen	1000 V rms
Inductance, approximate	0.7 mH/km
Operating temperature range	from - 20 to + 80 °C
during operation	from - 30 to + 80°C
during installation	from - 5 to + 70°C
Minimum bending radius	10 x cable diameter

Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-24, IEC 60332-3-24
Oil resistance	PN-EN 60811-404
Referance standards	DT 159/09/10, BS 5308 Part 2 Type 1
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of pairs x Conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
1346 001	1 x 2 x 0,5	5.8	14.4	51
1346 002	2 x 2 x 0,5	6.6	24.1	79
1346 003	8 x 2 x 0,5	13.6	82.0	230
1346 004	24 x 2 x 0,5	22.3	236.0	580

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

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