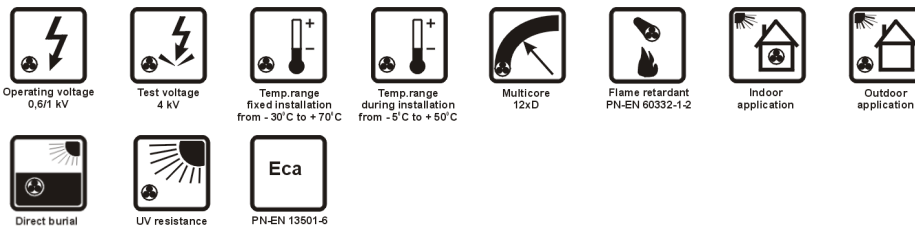


YKSYżo-Nr 0,6/1 kV, YKSY-Nr 0,6/1 kV



APPLICATIONS

YKSYżo-Nr 0,6/1 kV and YKSY-Nr 0,6/1 kV shielded control cables are designed for control, protection and monitoring systems in power engineering, also for electric power distribution.

The cables are suitable for industrial applications, such as production plants or air-conditioning systems operating in dry and wet locations, also for outdoor installations, in cable ducts or for direct earth burial.

CONSTRUCTION

- bare annealed copper conductors meeting requirements of class 1 per PN-EN 60228 standard,
- black PVC insulation and white conductor number printed on it; a green-yellow protective conductor in the outer layer in YKSYżo-Nr 0,6/1 kV cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- black PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

YKSYżo-Nr-O 0,6/1 kV and YKSY-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.

YKSwYżo-Nr 0,6/1 kV and YKSwY-Nr 0,6/1 kV - cables with inner covering extruded directly on a cable core, recommended for direct earth burial.

XnKSXSżo-Nr 0,6/1 kV and XnKSXS-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.

Steel wire or steel tape armoured cables as above applied in locations where enhanced protection against mechanical damages is required.



CHARACTERISTICS

Conductor cross-section	mm ²	1.0	1.5	2.5	4	6	10	16
DC conductor resistance at 20°C, maximum	Ω/km	18.1	12.1	7.41	4.61	3.08	1.83	1.15

Operating voltage U ₀ /U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	100 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
during operation	from - 30 to + 70°C
during installation	from - 5 to + 50°C

Minimum bending radius	12 x cable diameter
Cable combustibility	flame retardant
Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
Reference standards	IEC 60502-1, PN-93/E-90403, PN-HD 603 S1
CPR – class reaction on fire	Eca
DoP declarations are available at	technokabel.com.pl

The cable meets requirements of the low voltage directive 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
YKSÝžo-Nr 0,6/1 kV				
0354 019	7 x 1,0	10.4	67.2	174
0354 009	10 x 1,0	12.8	96.0	237
0354 021	12 x 1,0	13.2	115.2	268
0354 013	14 x 1,0	13.8	134.4	302
0354 028	16 x 1,0	14.5	153.6	340
0354 018	19 x 1,0	15.3	182.4	386
0354 029	24 x 1,0	17.7	230.4	477
0354 053	27 x 1,0	18.0	259.2	522
0354 014	30 x 1,0	18.7	288.0	571
0354 054	33 x 1,0	19.4	316.8	623
0354 015	37 x 1,0	20.1	355.2	682
0354 025	40 x 1,0	21.6	384.0	773
0354 016	48 x 1,0	23.1	460.8	874
0354 030	61 x 1,0	25.3	585.6	1086
0354 017	75 x 1,0	28.3	720.0	1326
0354 006	7 x 1,5	11.2	100.8	216
0354 012	10 x 1,5	13.8	144.0	296
0354 023	12 x 1,5	14.2	172.8	338
0354 008	14 x 1,5	14.9	201.6	383
0354 031	16 x 1,5	15.7	230.4	432
0354 005	19 x 1,5	16.5	273.6	493
0354 011	24 x 1,5	19.1	345.6	611
0354 032	30 x 1,5	20.2	432.0	736

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
0354 052	33 x 1,5	21.0	475.2	805
0354 033	37 x 1,5	22.0	532.8	896
0354 026	40 x 1,5	23.6	576.0	1007
0354 034	48 x 1,5	25.3	691.2	1145
0354 035	61 x 1,5	27.5	878.4	1416
0354 010	7 x 2,5	12.3	168.0	291
0354 050	8 x 2,5	14.1	192.0	365
0354 001	10 x 2,5	15.3	240.0	403
0354 036	12 x 2,5	15.8	288.0	465
0354 002	14 x 2,5	16.6	336.0	529
0354 027	16 x 2,5	17.5	384.0	600
0354 003	19 x 2,5	18.4	456.0	688
0354 024	24 x 2,5	21.4	576.0	857
0354 004	30 x 2,5	22.9	720.0	1052
0354 051	33 x 2,5	23.7	792.0	1147
0354 037	37 x 2,5	24.6	888.0	1264
0354 038	48 x 2,5	28.5	1152	1639
0354 007	7 x 4	14.9	268.8	439
0354 039	10 x 4	18.8	384.0	612
0354 040	12 x 4	19.4	460.8	707
0354 022	14 x 4	20.4	537.6	808
0354 041	16 x 4	21.5	614.4	920
0354 049	19 x 4	22.9	729.6	1071
0354 020	7 x 6	16.4	403.2	585

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
0354 042	10 x 6	20.8	576.0	819
0354 043	12 x 6	21.4	691.2	950
0354 044	14 x 6	22.8	806.4	1102
0354 045	7 x 10	18.8	672.0	873
0354 046	10 x 10	24.2	960.0	1241
0354 047	7 x 16	21.5	1075	1279
0354 048	10 x 16	28.2	1536	1836
YKSY-Nr 0,6/1 kV				
0347 013	7 x 1,0	10.4	67.2	174
0347 001	10 x 1,0	12.8	96.0	237
0347 050	12 x 1,0	13.2	115.2	268
0347 002	14 x 1,0	13.8	134.4	302
0347 003	16 x 1,0	14.5	153.6	340
0347 004	19 x 1,0	15.3	182.4	386
0347 005	20 x 1,0	16.0	192.0	419
0347 025	21 x 1,0	16.7	201.6	454
0347 014	24 x 1,0	17.7	230.4	477
0347 015	30 x 1,0	18.7	288.0	571
0347 028	37 x 1,0	20.1	355.2	682
0347 019	48 x 1,0	23.1	460.8	874
0347 027	61 x 1,0	25.3	585.6	1086
0347 026	75 x 1,0	28.3	720.0	1326
0347 006	7 x 1,5	11.2	100.8	216
0347 018	10 x 1,5	13.8	144.0	296
0347 032	12 x 1,5	14.2	172.8	338
0347 007	14 x 1,5	14.9	201.6	383
0347 033	16 x 1,5	15.7	230.4	432
0347 024	18 x 1,5	16.5	259.2	483
0347 029	19 x 1,5	16.5	273.6	493

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
0347 034	21 x 1,5	18.1	302.4	578
0347 016	24 x 1,5	19.1	345.6	611
0347 017	30 x 1,5	20.2	432.0	736
0347 030	37 x 1,5	22.0	532.8	896
0347 022	48 x 1,5	25.3	691.2	1145
0347 037	61 x 1,5	27.5	878.4	1416
0347 036	75 x 1,5	30.8	1080	1731
0347 008	4 x 2,5	10.5	96.0	190
0347 009	7 x 2,5	12.3	168.0	291
0347 020	10 x 2,5	15.3	240.0	403
0347 035	12 x 2,5	15.8	288.0	465
0347 010	14 x 2,5	16.6	336.0	529
0347 049	16 x 2,5	17.5	384.0	600
0347 041	19 x 2,5	18.4	456.0	688
0347 011	24 x 2,5	21.4	576.0	857
0347 021	30 x 2,5	22.9	720.0	1052
0347 044	32 x 2,5	23.7	768.0	1130
0347 038	37 x 2,5	24.6	888.0	1264
0347 046	48 x 2,5	28.5	1152	1639
0347 043	75 x 2,5	35.0	1800	2510
0347 039	7 x 4	14.9	268.8	439
0347 012	10 x 4	18.8	384.0	612
0347 047	12 x 4	19.4	460.8	707
0347 042	14 x 4	20.4	537.6	808
0347 048	16 x 4	21.5	614.4	920
0347 045	19 x 4	22.9	729.6	1071
0347 031	7 x 6	16.4	403.2	585
0347 040	10 x 6	20.8	576.0	819
0347 051	14 x 6	22.8	806.4	1102
0347 023	7 x 10	18.8	672.0	873

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