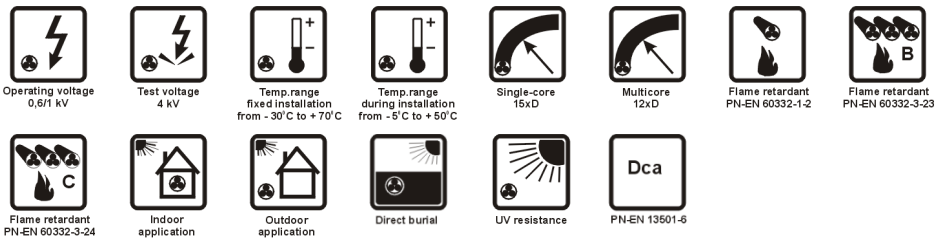
TECHNOKABEL®
Connecting since 1982

YnKXSżo 0,6/1 kV, YnKXS 0,6/1 kV



APPLICATIONS

YnKXSżo 0,6/1 kV and **YnKXS 0,6/1 kV** power cables are designed for electric power transmission. They are also applied in power circuits in industrial plants and power stations and in local distribution networks.

The cables are suitable for indoor and outdoor installations, for laying in cable ducts and for direct earth burial.

Improved electrical properties, small dimensions and weight compared to the cables with PVC insulation is achieved using cross-linked polyethylene insulation.

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

CONSTRUCTION

- bare annealed copper conductors meeting requirements of PN-EN 60228 standard:

  RE - class 1 circular single-wire,

  RM - class 2 circular multi-wire,

  SM - class 2 sector shaped multi-wire,
- cross-linked polyethylene (XLPE) insulation - colours in accordance with PN-HD 308 standard, green-yellow protective conductor in **YnKXSżo 0,6/1 kV** cable,
- insulated conductors laid-up in a cable core,
- black PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

YKXSżo-O 0,6/1 kV and **YKXS-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.

XnKXSżo 0,6/1 kV and **XnKXS 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.

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RoHS COMPLIANT CE

CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	100 MΩ·km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
during operation	from - 30 to + 70°C
during installation	from - 5 to + 50°C
Minimum bending radius	
single wire cables	15 x cable diameter
multi wire cables	12 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	IEC 60502-1, PN-HD 603 S1
CPR – class reaction on fire	Dca-s3,d2,a3
DoP declarations are avalible at	www.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. maximum	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	kg/km	kg/km
	YnKXS 0,6/1 kV				
0876 032	1x1,0 RE	4.8	18.1	9.6	36
0876 033	1x1,5 RE	5.1	12.1	14.4	43
0876 034	1x2,5 RE	5.5	7.41	24.0	54
0876 035	1x4 RE	5.9	4.61	38.4	70
0876 036	1x6 RE	6.5	3.08	57.6	91
0876 037	1x10 RE	7.2	1.83	96.0	133
0876 038	1x16 RE	8.1	1.15	153.6	191
0876 024	1x25 RM	10.0	0.727	240.0	286
0876 039	1x35 RM	11.0	0.524	336.0	379
0876 040	1x50 RM	12.4	0.387	480.0	505
0876 020	1x70 RM	14.4	0.268	672.0	712
0876 023	1x95 RM	16.3	0.193	912.0	1005
0876 006	1x120 RM	18.0	0.153	1152	1198
0876 021	1x150 RM	20.1	0.124	1440	1503
0876 025	1x185 RM	22.5	0.0991	1776	1874
0876 015	1x240 RM	25.1	0.0754	2304	2434
0876 026	1x300 RM	27.1	0.0601	2880	2954
0876 027	1x400 RM	30.3	0.0470	3840	4022
0876 013	1x500 RM	33.7	0.0366	4800	5028
	YnKXS 0,6/1 kV				
0876 018	2x1,0 RE	7.7	18.1	19.2	88

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C. maximum	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	kg/km	kg/km
0876 001	2x1,5 RE	8.2	12.1	28.8	104
0876 030	2x2,5 RE	9.0	7.41	48.0	134
0876 016	2x4 RE	9.9	4.61	76.8	176
0876 031	2x6 RE	10.9	3.08	115.2	229
0876 041	2x10 RE	12.5	1.83	192.0	331
0876 042	2x16 RE	14.8	1.15	307.2	501
0876 029	2x25 RM	18.5	0.727	480.0	768
0876 028	2x35 RM	20.6	0.524	672.0	1005
0876 051	2x50 RM	23.5	0.268	960.0	1343
0876 052	2x70 RM	27.4	0.193	1344	1881
0876 044	2x95 RM	31.1	0.153	1824	2599
	YnKXSżo 0,6/1 kV				
0921 046	3x1,0 RE	8.1	18.1	28.8	100
0921 017	3x1,5 RE	8.6	12.1	43.2	120
0921 008	3x2,5 RE	9.4	7.41	72.0	157
0921 007	3x4 RE	10.4	4.61	115.2	212
0921 018	3x6 RE	11.5	3.08	172.8	282
0921 009	3x10 RE	13.2	1.83	288.0	417
0921 010	3x16 RE	15.7	1.15	460.8	638
0921 030	3x25 RM	19.7	0.727	720.0	978
0921 044	3x35 RM	22.0	0.524	1008	1295
0921 048	3x50 SM	23.1	0.387	1440	1740

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C. maximum	Copper index	Cable weight (appr.)
	mm²	mm	Ω/km	kg/km	kg/km
0921 049	3x70 SM	27.0	0.268	2016	2212
0921 050	3x95 SM	30.7	0.193	2736	3089
0921 051	3x120 SM	34.4	0.153	3456	3750
0921 052	3x150 SM	38.6	0.124	4320	4716
0921 053	3x185 SM	43.2	0.0991	5328	5884
0921 054	3x240 SM	48.3	0.0754	6912	7606
	YnKXSżo 0,6/1 kV				
0921 055	4x1,0 RE	8.7	18.1	38.4	116
0921 020	4x1,5 RE	9.3	12.1	57.6	143
0921 004	4x2,5 RE	10.2	7.41	96.0	189
0921 001	4x4 RE	11.3	4.61	153.6	260
0921 002	4x6 RE	12.5	3.08	230.4	348
0921 011	4x10 RE	14.4	1.83	384.0	522
0921 006	4x16 RE	17.1	1.15	614.4	798
0921 013	4x25 RM	21.6	0.727	960.0	1228
0921 014	4x35 RM	24.4	0.524	1344	1647
0921 056	4x50 SM	25.6	0.387	1920	2216
0921 057	4x70 SM	30.0	0.268	2688	2822
0921 058	4x95 SM	34.4	0.193	3648	3990
0921 059	4x120 SM	38.5	0.153	4608	4823

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C. maximum	Copper index	Cable weight (appr.)
	mm²	mm	Ω/km	kg/km	kg/km
0921 060	4x150 SM	42.9	0.124	5760	6032
0921 061	4x185 SM	48.2	0.0991	7104	7552
0921 062	4x240 SM	53.8	0.0754	9216	9773
	YnKXSżo 0,6/1 kV				
0921 063	5x1,0 RE	9.3	18.1	48.0	135
0921 033	5x1,5 RE	10.0	12.1	72.0	167
0921 024	5x2,5 RE	11.0	7.41	120.0	225
0921 021	5x4 RE	12.3	4.61	192.0	311
0921 032	5x6 RE	13.6	3.08	288.0	419
0921 012	5x10 RE	15.8	1.83	480.0	634
0921 005	5x16 RE	18.7	1.15	768.0	968
0921 003	5x25 RM	24.0	0.727	1200	1509
0921 015	5x35 RM	27.0	0.524	1680	2021
0921 064	5x50 SM	28.4	0.387	2400	2727
0921 065	5x70 SM	33.7	0.268	3360	3506
0921 066	5x95 SM	38.4	0.193	4560	4930
0921 067	5x120 SM	42.6	0.153	5760	5928
0921 045	5x150 SM	47.7	0.124	7200	7446
0921 068	5x185 SM	53.6	0.0991	8880	9312
0921 069	5x240 SM	59.9	0.0754	11520	12059

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