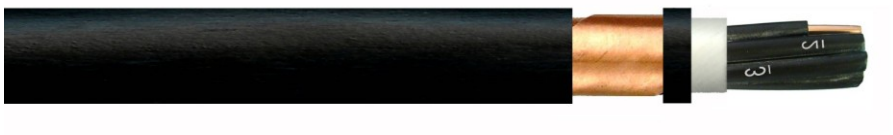
TECHNOKABEL®

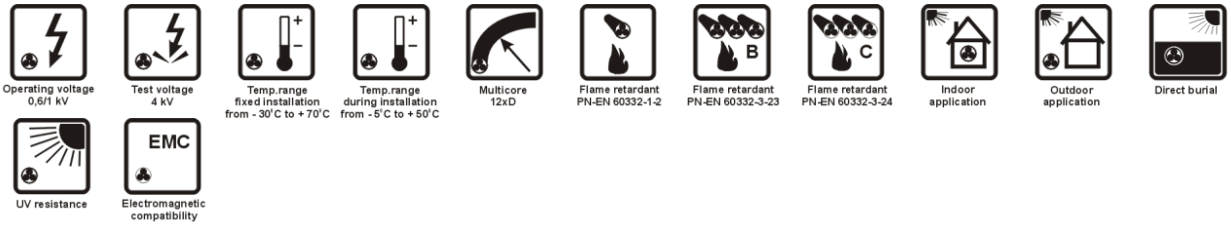
CE RoHS

ISO 9001:2008

YKSXSektmynżo-Nr 0,6/1 kV, YKSXSektmyn-Nr 0,6/1 kV

XLPE INSULATED AND PVC SHEATHED, COPPER TAPE SHIELDED AND PVC OVERSHEATHED CONTROL CABLES





APPLICATIONS

YKSXSektmynżo-Nr 0,6/1 kV and **YKSXSektmyn-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.

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

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

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 class 1 per PN-EN 60228 standard,
- black cross-linked polyethylene (XLPE) insulation and white conductor number printed on it; a green-yellow protective conductor in the outer layer in **YKSXSektmynżo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in a cable core,
- PVC cable sheath,
- copper tape shield,
- black PVC cable covering, other colours also available.

AVAILABLE UPON REQUEST

YKSXSektmyżo-Nr-O 0,6/1 kV and **YKSXSektmy-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.

XnKSXSektmxnżo-Nr 0,6/1 kV and **XnKSXSektmxn-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.

TECHNOKABEL®

CE RoHS

ISO 9001:2008

YKSXSektmynżo-Nr 0,6/1 kV, YKSXSektmyn-Nr 0,6/1 kV

CHARACTERISTICS

Conductor cross-section	mm^2	1	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 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
in short-circuit	+ 250°C

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	
≥ 25 mm^2	PN-EN 60332-1-2, IEC 60332-1-2 PN-EN 60332-3-23, IEC 60332-3-23 (cat. B)
< 25 mm^2	PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
Reference standards	IEC 60502-1, PN-HD 603 S1

CE = the cable meets requirements of the low voltage directive 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
YKSXSektmynżo-Nr 0,6/1 kV				
1761 001	7 x 1	11.9	103.3	247
1761 002	10 x 1	14.2	141.6	329
1761 003	12 x 1	14.6	162.3	357
1761 004	14 x 1	15.4	184.0	398
1761 005	16 x 1	16.1	205.8	436
1761 006	19 x 1	16.8	237.8	482
1761 007	24 x 1	19.3	294.8	597
1761 008	30 x 1	20.2	356.1	680
1761 009	37 x 1	21.6	429.0	787
1761 010	48 x 1	24.4	545.2	979
1761 011	61 x 1	26.4	677.9	1168
YKSXSektmynżo-Nr 0,6/1 kV				
1761 012	7 x 1,5	12.7	140.5	297
1761 013	10 x 1,5	15.4	193.6	405
1761 014	12 x 1,5	15.8	224.0	442
1761 015	14 x 1,5	16.5	255.7	487
1761 016	16 x 1,5	17.2	287.1	534
1761 017	19 x 1,5	18.0	333.8	596
1761 018	24 x 1,5	20.7	415.8	740
1761 019	30 x 1,5	21.8	506.5	856
1761 020	37 x 1,5	23.5	613.4	1010
1761 021	48 x 1,5	26.5	783.9	1252
1761 022	61 x 1,5	28.8	979.7	1518
YKSXSektmynżo-Nr 0,6/1 kV				
1761 023	7 x 2,5	13.8	212.0	382
1761 024	10 x 2,5	16.9	295.7	528

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
YKSXSektmynżo-Nr 0,6/1 kV				
1761 025	12 x 2,5	17.4	345.7	583
1761 026	14 x 2,5	18.2	396.8	648
1761 027	16 x 2,5	19.2	448.3	725
1761 028	19 x 2,5	20.1	523.6	814
1761 029	24 x 2,5	23.2	655.5	1016
1761 030	30 x 2,5	24.4	804.4	1186
1761 031	37 x 2,5	26.1	979.3	1395
1761 032	48 x 2,5	29.7	1256.8	1759
YKSXSektmynżo-Nr 0,6/1 kV				
1761 033	7 x 4	15.4	318.4	515
1761 034	10 x 4	18.8	447.4	709
1761 035	12 x 4	19.5	526.2	800
1761 036	14 x 4	20.4	606.5	893
1761 037	16 x 4	21.4	687.5	994
YKSXSektmynżo-Nr 0,6/1 kV				
1761 038	7 x 6	16.9	458.9	673
1761 039	10 x 6	21.0	647.5	946
1761 040	12 x 6	21.6	765.0	1063
1761 041	14 x 6	22.6	884.1	1193
YKSXSektmynżo-Nr 0,6/1 kV				
1761 042	7 x 10	19.5	737.4	993
1761 043	10 x 10	24.4	1044.4	1403
YKSXSektmynżo-Nr 0,6/1 kV				
1761 044	7 x 16	22.2	1151.7	1427
1761 045	10 x 16	28.2	1635.0	2042

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.

TECHNOKABEL S.A., ul. Nasielska 55, 04-343 Warszawa, Poland
Export Department: tel +(48) 22 516 97 67, fax +(48) 22 516 97 87
www.technokabel.com.pl
export@technokabel.com.pl