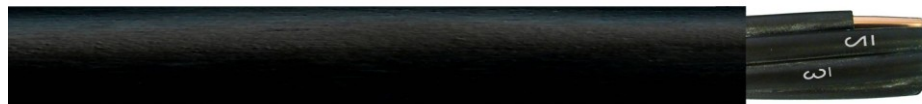


**YKSXSžo-Nr 0,6/1 kV, YKSXS-Nr 0,6/1 kV****XLPE INSULATED AND PVC SHEATHED CONTROL CABLES****APPLICATIONS**

**YKSXSžo-Nr 0,6/1 kV** and **YKSXS-Nr 0,6/1 kV** 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.

**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 **YKSXSžo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- black PVC cable covering, other colours also available.

**AVAILABLE UPON REQUEST**

**YKSXSžo-Nr-O 0,6/1 kV** and **YKSXS-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.

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

**XnKSXSžo-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.

**YKSXSzo-Nr 0,6/1 kV, YKSXS-Nr 0,6/1 kV**
**CHARACTERISTICS**

Conductor cross-section	mm <sup>2</sup>	<b>1</b>	<b>1,5</b>	<b>2,5</b>	<b>4</b>	<b>6</b>	<b>10</b>	<b>16</b>
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 <sub>0</sub> /U	0.6/1 kV	Temperature range during operation	from - 30 to + 70°C
Voltage test	4 kV rms	Temperature range during installation	from - 5 to + 50°C
Insulation resistance, minimum	100 MΩ·km	Minimum bending radius	12 x cable diameter
Conductor temperature limit in work conditions	+ 90°C	Cable combustibility	flame retardant
Conductor temperature limit in short-circuit	+ 250°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		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 <sup>2</sup>	mm	kg/km	kg/km
YKSXSzo-Nr 0,6/1 kV				
1610 011	7 x 1	10.1	67.2	153
1610 012	10 x 1	12.4	96.0	207
1610 013	12 x 1	12.8	115.2	234
1610 014	14 x 1	13.4	134.4	262
1610 015	16 x 1	14.1	153.6	294
1610 016	19 x 1	14.8	182.4	332
1610 017	24 x 1	17.1	230.4	410
1610 018	30 x 1	18.0	288.0	487
1610 019	37 x 1	19.4	355.2	580
1610 020	48 x 1	22.2	460.8	741
1610 021	61 x 1	24.2	585.6	907
YKSXSzo-Nr 0,6/1 kV				
1610 003	7 x 1,5	10.9	100.8	193
1610 004	10 x 1,5	13.4	144.0	263
1610 005	12 x 1,5	13.8	172.8	299
1610 002	14 x 1,5	14.5	201.6	338
1610 022	16 x 1,5	15.2	230.4	379
1610 023	19 x 1,5	16.0	273.6	432
1610 024	24 x 1,5	18.5	345.6	535
1610 025	30 x 1,5	19.6	432.0	643
1610 026	37 x 1,5	21.1	532.8	770
1610 027	48 x 1,5	24.3	691.2	984
1610 028	61 x 1,5	26.6	878.4	1228
YKSXSzo-Nr 0,6/1 kV				
1610 001	7 x 2,5	12.0	168.0	264
1610 006	10 x 2,5	14.9	240.0	365

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
YKSXSzo-Nr 0,6/1 kV				
1610 007	12 x 2,5	15.4	288.0	419
1610 008	14 x 2,5	16.2	336.0	477
1610 029	16 x 2,5	17.0	384.0	537
1610 030	19 x 2,5	17.9	456.0	618
1610 009	24 x 2,5	20.8	576.0	768
1610 031	30 x 2,5	22.2	720.0	941
1610 010	37 x 2,5	23.9	888.0	1129
1610 032	48 x 2,5	27.5	1152.0	1450
YKSXSzo-Nr 0,6/1 kV				
1610 033	7 x 4	13.4	268.8	372
1610 034	10 x 4	16.8	384.0	518
1610 035	12 x 4	17.3	460.8	597
1610 036	14 x 4	18.2	537.6	682
1610 037	16 x 4	19.2	614.4	773
YKSXSzo-Nr 0,6/1 kV				
1610 038	7 x 6	14.9	403.2	510
1610 039	10 x 6	18.8	576.0	713
1610 040	12 x 6	19.4	691.2	827
1610 041	14 x 6	20.4	806.4	949
YKSXSzo-Nr 0,6/1 kV				
1610 042	7 x 10	17.3	672.0	785
1610 043	10 x 10	22.2	960.0	1116
YKSXSzo-Nr 0,6/1 kV				
1610 044	7 x 16	20.0	1075.2	1175
1610 045	10 x 16	26.0	1536.0	1674

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