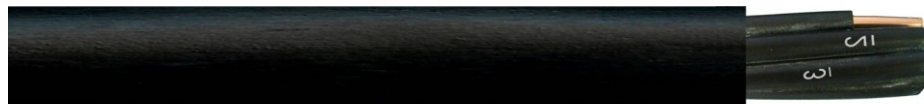


YnKSXS-Nr 0,6/1 kV, YnKSXSžo-Nr 0,6/1 kV**XLPE INSULATED AND PVC SHEATHED CONTROL CABLES**Operating voltage
0,6/1 kVTest voltage
4 kVTemp. range
fixed installation
from -30°C to +70°CTemp. range
during installation
from -5°C to +50°CMulticore
12xDFlame retardant
PN-EN 60332-1-2Flame retardant
PN-EN 60332-3-23Flame retardant
PN-EN 60332-3-24Indoor
applicationOutdoor
application

Direct burial



UV resistance

APPLICATIONS

YnKSXS-Nr 0,6/1 kV and **YnKSXSžo-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.

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 **YnKSXSžo-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.

YnKSXS-Nr 0,6/1 kV, YnKSXSzo-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 U ₀ /U	0.6/1 kV	Temperature range	
Voltage test	4 kV rms	during operation	from - 30 to + 70°C
Insulation resistance, minimum	100 MΩ·km	during installation	from - 5 to + 50°C
Conductor temperature limit		Minimum bending radius	12 x cable diameter
in work conditions	+ 90°C	Cable combustibility	flame retardant
in short-circuit	+ 250°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		≥ 25 mm 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
YnKSXS-Nr 0,6/1 kV				
0789 007	7 x 1	10.1	67.2	153
0789 004	10 x 1	12.4	96.0	207
0789 014	12 x 1	12.8	115.2	234
0789 015	14 x 1	13.4	134.4	262
0789 016	16 x 1	14.1	153.6	294
0789 017	19 x 1	14.8	182.4	332
0789 001	24 x 1	17.1	230.4	410
0789 018	30 x 1	18.0	288.0	487
0789 019	37 x 1	19.4	355.2	580
0789 020	48 x 1	22.2	460.8	741
0789 021	61 x 1	24.2	585.6	907
YnKSXS-Nr 0,6/1 kV				
0789 022	7 x 1,5	10.9	100.8	193
0789 003	10 x 1,5	13.4	144.0	263
0789 012	12 x 1,5	13.8	172.8	299
0789 006	14 x 1,5	14.5	201.6	338
0789 023	16 x 1,5	15.2	230.4	379
0789 009	19 x 1,5	16.0	273.6	432
0789 005	24 x 1,5	18.5	345.6	535
0789 011	30 x 1,5	19.6	432.0	643
0789 024	37 x 1,5	21.1	532.8	770
0789 025	48 x 1,5	24.3	691.2	984
0789 026	61 x 1,5	26.6	878.4	1228
YnKSXS-Nr 0,6/1 kV				
0789 002	7 x 2,5	12.0	168.0	264
0789 027	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 ²	mm	kg/km	kg/km
YnKSXS-Nr 0,6/1 kV				
0789 028	12 x 2,5	15.4	288.0	419
0789 029	14 x 2,5	16.2	336.0	477
0789 030	16 x 2,5	17.0	384.0	537
0789 010	19 x 2,5	17.9	456.0	618
0789 031	24 x 2,5	20.8	576.0	768
0789 032	30 x 2,5	22.2	720.0	941
0789 033	37 x 2,5	23.9	888.0	1129
0789 013	48 x 2,5	27.5	1152.0	1450
YnKSXS-Nr 0,6/1 kV				
0789 034	7 x 4	13.4	268.8	372
0789 035	10 x 4	16.8	384.0	518
0789 036	12 x 4	17.3	460.8	597
0789 037	14 x 4	18.2	537.6	682
0789 038	16 x 4	19.2	614.4	773
YnKSXS-Nr 0,6/1 kV				
0789 039	7 x 6	14.9	403.2	510
0789 040	10 x 6	18.8	576.0	713
0789 041	12 x 6	19.4	691.2	827
0789 042	14 x 6	20.4	806.4	949
YnKSXS-Nr 0,6/1 kV				
0789 043	7 x 10	17.3	672.0	785
0789 044	10 x 10	22.2	960.0	1116
YnKSXS-Nr 0,6/1 kV				
0789 045	7 x 16	20.0	1075.2	1175
0789 046	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.