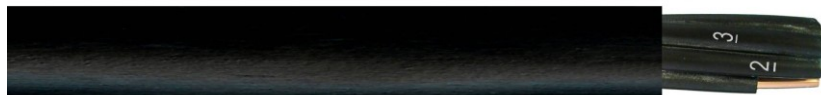


YnKSYżo-Nr 0,6/1 kV, YnKSY-Nr 0,6/1 kV**PVC INSULATED AND SHEATHED CONTROL CABLES**Operating voltage
0,6/1 kVTest voltage
4 kVTemp. range
fixed installation
from - 30° C to + 70° CTemp. range
during installation
from - 5° C to + 50° CMulticore
12xDFlame retardant
PN-EN 60332-1-2Flame retardant
PN-EN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

Direct burial



UV resistance

APPLICATIONS

YnKSYżo-Nr 0,6/1 kV and **YnKSY-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.

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 PVC insulation and white conductor number printed on it; a green-yellow protective conductor in the outer layer in **YnKSYżo-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.

YnKSYżo-Nr 0,6/1 kV, YnKSY-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	20 MΩ·km	during installation	from - 5 to + 50°C
Conductor temperature limit		Minimum bending radius	12 x cable diameter
in work conditions	+ 70°C	Cable combustibility	flame retardant
in short-circuit	+ 160°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-93/E-90403, 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
YnKSYżo-Nr 0,6/1 kV				
0868 006	7 x 1	10.4	67.2	174
0868 009	10 x 1	12.8	96.0	237
0868 012	12 x 1	13.2	115.2	268
0868 007	14 x 1	13.8	134.4	302
0868 013	16 x 1	14.5	153.6	340
0868 014	19 x 1	15.3	182.4	386
0868 015	24 x 1	17.7	230.4	477
0868 016	30 x 1	18.7	288.0	571
0868 017	37 x 1	20.1	355.2	682
0868 018	48 x 1	23.1	460.8	874
0868 019	61 x 1	25.3	585.6	1086
YnKSYżo-Nr 0,6/1 kV				
0868 001	7 x 1,5	11.2	100.8	216
0868 003	10 x 1,5	13.8	144.0	296
0868 020	12 x 1,5	14.2	172.8	338
0868 005	14 x 1,5	14.9	201.6	383
0868 021	16 x 1,5	15.7	230.4	432
0868 010	19 x 1,5	16.5	273.6	493
0868 022	24 x 1,5	19.1	345.6	611
0868 023	30 x 1,5	20.2	432.0	736
0868 024	37 x 1,5	22.0	532.8	896
0868 025	48 x 1,5	25.3	691.2	1145
0868 026	61 x 1,5	27.5	878.4	1416
YnKSYżo-Nr 0,6/1 kV				
0868 027	7 x 2,5	12.3	168.0	291
0868 028	10 x 2,5	15.3	240.0	403

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
0868 029	12 x 2,5	15.8	288.0	465
0868 030	14 x 2,5	16.6	336.0	529
0868 031	16 x 2,5	17.5	384.0	600
0868 011	19 x 2,5	18.4	456.0	688
0868 032	24 x 2,5	21.4	576.0	857
0868 033	30 x 2,5	22.9	720.0	1052
0868 034	37 x 2,5	24.6	888.0	1264
0868 035	48 x 2,5	28.5	1152.0	1639
YnKSYżo-Nr 0,6/1 kV				
0868 004	7 x 4	14.9	268.8	439
0868 036	10 x 4	18.8	384.0	612
0868 037	12 x 4	19.4	460.8	707
0868 038	14 x 4	20.4	537.6	808
0868 039	16 x 4	21.5	614.4	920
YnKSYżo-Nr 0,6/1 kV				
0868 040	7 x 6	16.4	403.2	585
0868 041	10 x 6	20.8	576.0	819
0868 042	12 x 6	21.4	691.2	950
0868 043	14 x 6	22.8	806.4	1102
YnKSYżo-Nr 0,6/1 kV				
0868 044	7 x 10	18.8	672.0	873
0868 045	10 x 10	24.2	960.0	1241
YnKSYżo-Nr 0,6/1 kV				
0868 046	7 x 16	21.5	1075.2	1279
0868 047	10 x 16	28.2	1536.0	1836

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