

YKSYżo-Nr 0,6/1 kV, YKSY-Nr 0,6/1 kV**PVC INSULATED AND SHEATHED CONTROL CABLES****APPLICATIONS**

YKSYżo-Nr 0,6/1 kV and **YKSY-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.

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 **YKSYżo-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.

YKSYżo-Nr 0,6/1 kV, YKSY-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 _o /U	0.6/1 kV	Temperature range during operation	from - 30 to + 70°C
Voltage test	4 kV rms	during installation	from - 5 to + 50°C
Insulation resistance, minimum	20 MΩ·km	Minimum bending radius	12 x cable diameter
Conductor temperature limit 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
		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
YKSYżo-Nr 0,6/1 kV				
0354 019	7 x 1	10.4	67.2	174
0354 009	10 x 1	12.8	96.0	237
0354 021	12 x 1	13.2	115.2	268
0354 013	14 x 1	13.8	134.4	302
0354 028	16 x 1	14.5	153.6	340
0354 018	19 x 1	15.3	182.4	386
0354 029	24 x 1	17.7	230.4	477
0354 014	30 x 1	18.7	288.0	571
0354 015	37 x 1	20.1	355.2	682
0354 016	48 x 1	23.1	460.8	874
0354 030	61 x 1	25.3	585.6	1086
YKSYżo-Nr 0,6/1 kV				
0354 006	7 x 1,5	11.2	100.8	216
0354 012	10 x 1,5	13.8	144.0	296
0354 023	12 x 1,5	14.2	172.8	338
0354 008	14 x 1,5	14.9	201.6	383
0354 031	16 x 1,5	15.7	230.4	432
0354 005	19 x 1,5	16.5	273.6	493
0354 011	24 x 1,5	19.1	345.6	611
0354 032	30 x 1,5	20.2	432.0	736
0354 033	37 x 1,5	22.0	532.8	896
0354 034	48 x 1,5	25.3	691.2	1145
0354 035	61 x 1,5	27.5	878.4	1416
YKSYżo-Nr 0,6/1 kV				
0354 010	7 x 2,5	12.3	168.0	291
0354 001	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
YKSYżo-Nr 0,6/1 kV				
0354 036	12 x 2,5	15.8	288.0	465
0354 002	14 x 2,5	16.6	336.0	529
0354 027	16 x 2,5	17.5	384.0	600
0354 003	19 x 2,5	18.4	456.0	688
0354 024	24 x 2,5	21.4	576.0	857
0354 004	30 x 2,5	22.9	720.0	1052
0354 037	37 x 2,5	24.6	888.0	1264
0354 038	48 x 2,5	28.5	1152.0	1639
YKSYżo-Nr 0,6/1 kV				
0354 007	7 x 4	14.9	268.8	439
0354 039	10 x 4	18.8	384.0	612
0354 040	12 x 4	19.4	460.8	707
0354 022	14 x 4	20.4	537.6	808
0354 041	16 x 4	21.5	614.4	920
YKSYżo-Nr 0,6/1 kV				
0354 020	7 x 6	16.4	403.2	585
0354 042	10 x 6	20.8	576.0	819
0354 043	12 x 6	21.4	691.2	950
0354 044	14 x 6	22.8	806.4	1102
YKSYżo-Nr 0,6/1 kV				
0354 045	7 x 10	18.8	672.0	873
0354 046	10 x 10	24.2	960.0	1241
YKSYżo-Nr 0,6/1 kV				
0354 047	7 x 16	21.5	1075.2	1279
0354 048	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.