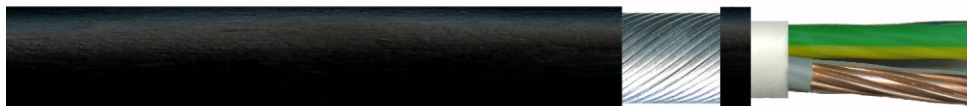


YKSYFoyńżo-Nr 0.6/1 kV, YKSYFoyń-Nr 0.6/1 kV**PVC INSULATED AND SHEATHED, STEEL WIRE ARMoured AND PVC OVERSHEATHED CONTROL CABLES****APPLICATIONS**

YKSYFoyńżo-Nr 0,6/1 kV and **YKSYFoyń-Nr 0,6/1 kV** armoured 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.

Galvanized steel wire armour provides carrying an axial load of the cable during installation and exploitation. It also offers enhanced protection against mechanical damages and rodent attack, as well as shielding properties.

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 **YKSYFoyńżo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- PVC cable sheath,
- galvanized steel wire armour,
- black PVC cable covering, other colours also available.

AVAILABLE UPON REQUEST

YKSYFoyńżo-Nr-O 0,6/1 kV and **YKSYFoyń-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.

XnKSXSFoxńżo-Nr 0,6/1 kV and **XnKSXSFoxń-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.

YKSYFoyńżo-Nr 0.6/1 kV, YKSYFoyń-Nr 0.6/1 kV

CHARACTERISTICS

Conductor cross-section	mm ²	1	15	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
YKSYFoyńżo-Nr 0,6/1 kV				
1757 001	7 x 1	13.6	67.2	420
1757 002	10 x 1	16.2	96.0	552
1757 003	12 x 1	16.6	115.2	593
1757 004	14 x 1	17.2	134.4	640
1757 005	16 x 1	17.9	153.6	692
1757 006	19 x 1	18.7	182.4	758
1757 007	24 x 1	22.0	230.4	1064
1757 008	30 x 1	23.2	288.0	1193
1757 009	37 x 1	24.6	355.2	1356
1757 010	48 x 1	27.6	460.8	1635
1757 011	61 x 1	29.6	585.6	1903
YKSYFoyńżo-Nr 0,6/1 kV				
1757 012	7 x 1,5	14.4	100.8	484
1757 013	10 x 1,5	17.2	144.0	641
1757 014	12 x 1,5	17.6	172.8	687
1757 015	14 x 1,5	18.3	201.6	745
1757 016	16 x 1,5	19.3	230.4	825
1757 017	19 x 1,5	20.8	273.6	1037
1757 018	24 x 1,5	23.6	345.6	1254
1757 019	30 x 1,5	24.7	432.0	1414
1757 020	37 x 1,5	26.3	532.8	1616
1757 021	48 x 1,5	29.6	691.2	1968
1757 022	61 x 1,5	32.6	878.4	2499
YKSYFoyńżo-Nr 0,6/1 kV				
1757 023	7 x 2,5	15.7	168.0	597
1757 024	10 x 2,5	18.7	240.0	789

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
YKSYFoyńżo-Nr 0,6/1 kV				
1757 025	12 x 2,5	19.4	288.0	864
1757 026	14 x 2,5	20.9	336.0	1079
1757 027	16 x 2,5	21.8	384.0	1177
1757 028	19 x 2,5	22.7	456.0	1302
1757 029	24 x 2,5	25.9	576.0	1586
1757 030	30 x 2,5	27.4	720.0	1820
1757 031	37 x 2,5	29.1	888.0	2088
1757 032	48 x 2,5	33.4	1152.0	2739
YKSYFoyńżo-Nr 0,6/1 kV				
1757 033	7 x 4	18.3	268.8	811
1757 034	10 x 4	23.3	384.0	1275
1757 035	12 x 4	23.9	460.8	1381
1757 036	14 x 4	24.9	537.6	1509
1757 037	16 x 4	26.0	614.4	1660
YKSYFoyńżo-Nr 0,6/1 kV				
1757 038	7 x 6	20.7	403.2	1145
1757 039	10 x 6	25.3	576.0	1552
1757 040	12 x 6	25.9	691.2	1703
1757 041	14 x 6	27.3	806.4	1896
YKSYFoyńżo-Nr 0,6/1 kV				
1757 042	7 x 10	23.3	672.0	1537
1757 043	10 x 10	28.7	960.0	2106
YKSYFoyńżo-Nr 0,6/1 kV				
1757 044	7 x 16	26.0	1075.2	2042
1757 045	10 x 16	33.1	1536.0	3026

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