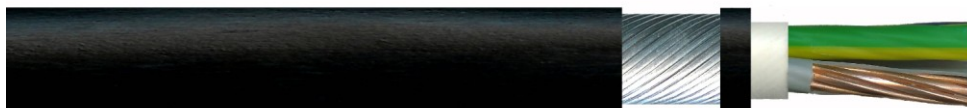


YKSXSFOynżo-Nr 0,6/1 kV, YKSXSFOyn-Nr 0,6/1 kV**XLPE INSULATED AND PVC SHEATHED, STEEL WIRE ARMoured AND PVC OVERSHEATHED CONTROL CABLES****APPLICATIONS**

YKSXSFOynżo-Nr 0,6/1 kV and **YKSXSFOyn-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.

Improved electrical properties, small dimensions and weight compared to the cables with PVC insulation is achieved using cross-linked polyethylene insulation.

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 cross-linked polyethylene (XLPE) insulation and white conductor number printed on it; a green-yellow protective conductor in the outer layer in **YKSXSFOynżo-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

YKSXSFOynżo-Nr-O 0,6/1 kV and **YKSXSFOyn-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.

XnKSXSFOynżo-Nr 0,6/1 kV and **XnKSXSFOyn-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.

YKSXSfoynżo-Nr 0,6/1 kV, YKSXSfoyn-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
YKSXSfoynżo-Nr 0,6/1 kV				
1490 003	7 x 1	13.3	67.2	392
1490 004	10 x 1	15.8	96.0	514
1490 005	12 x 1	16.2	115.2	545
1490 006	14 x 1	16.8	134.4	587
1490 007	16 x 1	17.5	153.6	638
1490 008	19 x 1	18.2	182.4	690
1490 009	24 x 1	21.4	230.4	980
1490 010	30 x 1	22.3	288.0	1081
1490 011	37 x 1	23.9	355.2	1227
1490 012	48 x 1	26.5	460.8	1460
1490 013	61 x 1	28.7	585.6	1708
YKSXSfoynżo-Nr 0,6/1 kV				
1490 001	7 x 1,5	14.1	100.8	453
1490 014	10 x 1,5	16.8	144.0	594
1490 015	12 x 1,5	17.2	172.8	640
1490 016	14 x 1,5	17.9	201.6	692
1490 017	16 x 1,5	18.6	230.4	747
1490 018	19 x 1,5	19.6	273.6	830
1490 019	24 x 1,5	23.0	345.6	1161
1490 020	30 x 1,5	24.1	432.0	1294
1490 021	37 x 1,5	25.6	532.8	1473
1490 022	48 x 1,5	28.8	691.2	1791
1490 023	61 x 1,5	31.1	878.4	2104
YKSXSfoynżo-Nr 0,6/1 kV				
1490 024	7 x 2,5	15.2	168.0	554
1490 025	10 x 2,5	18.3	240.0	736

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
1490 026	12 x 2,5	18.8	288.0	800
1490 002	14 x 2,5	19.8	336.0	887
1490 027	16 x 2,5	21.3	384.0	1099
1490 028	19 x 2,5	22.2	456.0	1205
1490 029	24 x 2,5	25.3	576.0	1470
1490 030	30 x 2,5	26.5	720.0	1667
1490 031	37 x 2,5	28.4	888.0	1925
1490 032	48 x 2,5	32.6	1152.0	2540
YKSXSfoynżo-Nr 0,6/1 kV				
1490 033	7 x 4	16.8	268.8	704
1490 034	10 x 4	21.1	384.0	1093
1490 035	12 x 4	21.6	460.8	1183
1490 036	14 x 4	22.5	537.6	1294
1490 037	16 x 4	23.7	614.4	1434
YKSXSfoynżo-Nr 0,6/1 kV				
1490 038	7 x 6	18.3	403.2	882
1490 039	10 x 6	23.3	576.0	1376
1490 040	12 x 6	23.9	691.2	1502
1490 041	14 x 6	24.9	806.4	1650
YKSXSfoynżo-Nr 0,6/1 kV				
1490 042	7 x 10	21.6	672.0	1376
1490 043	10 x 10	26.5	960.0	1884
YKSXSfoynżo-Nr 0,6/1 kV				
1490 044	7 x 16	24.5	1075.2	1875
1490 045	10 x 16	30.5	1536.0	2619

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