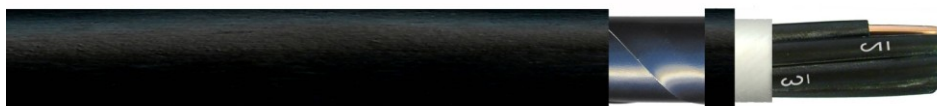


YKSXSFTynżo-Nr 0,6/1 kV, YKSXSFTyn-Nr 0,6/1 kV**XLPE INSULATED AND PVC SHEATHED, STEEL TAPE ARMoured AND PVC OVERSHEATHED CONTROL CABLES****APPLICATIONS**

YKSXSFTynżo-Nr 0,6/1 kV and **YKSXSFTyn-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.

Steel tape armour offers enhanced protection against mechanical damages and rodent attack, it has also 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 **YKSXSFTynżo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in a cable core,
- PVC cable sheath,
- galvanized steel tape armour,
- black PVC cable covering, other colours also available.

AVAILABLE UPON REQUEST

YKSXSFTyżo-Nr-O 0,6/1 kV and **YKSXSFTy-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.

XnKSXSFTynżo-Nr 0,6/1 kV and **XnKSXSFTyn-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.

YKSXSftynżo-Nr 0,6/1 kV, YKSXSftyn-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 diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
YKSXSftynżo-Nr 0,6/1 kV				
1760 001	7 x 1	12.3	67.2	278
1760 002	10 x 1	14.6	96.0	366
1760 003	12 x 1	15.0	115.2	395
1760 004	14 x 1	15.8	134.4	438
1760 005	16 x 1	16.5	153.6	479
1760 006	19 x 1	17.2	182.4	526
1760 007	24 x 1	19.7	230.4	648
1760 008	30 x 1	20.6	288.0	734
1760 009	37 x 1	22.0	355.2	846
1760 010	48 x 1	24.8	460.8	1045
1760 011	61 x 1	27.0	585.6	1253
YKSXSftynżo-Nr 0,6/1 kV				
1760 012	7 x 1,5	13.1	100.8	330
1760 013	10 x 1,5	15.8	144.0	445
1760 014	12 x 1,5	16.2	172.8	483
1760 015	14 x 1,5	16.9	201.6	530
1760 016	16 x 1,5	17.6	230.4	580
1760 017	19 x 1,5	18.4	273.6	643
1760 018	24 x 1,5	21.1	345.6	796
1760 019	30 x 1,5	22.2	432.0	915
1760 020	37 x 1,5	23.9	532.8	1073
1760 021	48 x 1,5	27.1	691.2	1337
1760 022	61 x 1,5	29.2	878.4	1597
YKSXSftynżo-Nr 0,6/1 kV				
1760 023	7 x 2,5	14.2	168.0	417
1760 024	10 x 2,5	17.3	240.0	572

Product No.	Number of conductors x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
YKSXSftynżo-Nr 0,6/1 kV				
1760 025	12 x 2,5	17.8	288.0	629
1760 026	14 x 2,5	18.6	336.0	696
1760 027	16 x 2,5	19.6	384.0	776
1760 028	19 x 2,5	20.5	456.0	868
1760 029	24 x 2,5	23.6	576.0	1078
1760 030	30 x 2,5	24.8	720.0	1252
1760 031	37 x 2,5	26.5	888.0	1466
1760 032	48 x 2,5	30.1	1152.0	1841
YKSXSftynżo-Nr 0,6/1 kV				
1760 033	7 x 4	15.8	268.8	555
1760 034	10 x 4	19.4	384.0	769
1760 035	12 x 4	19.9	460.8	852
1760 036	14 x 4	20.8	537.6	948
1760 037	16 x 4	21.8	614.4	1052
YKSXSftynżo-Nr 0,6/1 kV				
1760 038	7 x 6	17.3	403.2	718
1760 039	10 x 6	21.4	576.0	1002
1760 040	12 x 6	22.0	691.2	1122
1760 041	14 x 6	23.2	806.4	1266
YKSXSftynżo-Nr 0,6/1 kV				
1760 042	7 x 10	19.9	672.0	1045
1760 043	10 x 10	24.8	960.0	1469
YKSXSftynżo-Nr 0,6/1 kV				
1760 044	7 x 16	22.6	1075.2	1487
1760 045	10 x 16	28.6	1536.0	2118

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