

YKSYFtynżo 0,6/1 kV, YKSYFtyn 0,6/1 kV**PVC INSULATED AND SHEATHED, STEEL TAPE ARMoured AND PVC OVERSHEATHED CONTROL CABLES****APPLICATIONS**

YKSYFtynżo 0,6/1 kV and **YKSYFtyn 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.

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,
- PVC insulation, colour code insulation in each layer:
 - brown conductor as a counter, blue directional conductor and other conductors of any colour with the exception of green, yellow, brown and blue,
 - YKSYFtynżo 0,6/1 kV** green-yellow protective conductor is positioned as a counter conductor in the outer layer instead of conductor of brown,
- 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

YKSYFtynżo-O 0,6/1 kV and **YKSYFty-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 0,6/1 kV and **XnKSXSftyn 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.

YKSYFtynžo 0,6/1 kV, YKSYFtyn 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 diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
YKSYFtynžo 0,6/1 kV				
1548 004	7 x 1	12.6	67.2	303
1548 005	10 x 1	15.0	96.0	402
1548 006	12 x 1	15.6	115.2	444
1548 007	14 x 1	16.2	134.4	484
1548 008	16 x 1	16.9	153.6	530
1548 009	19 x 1	17.7	182.4	587
1548 010	24 x 1	20.3	230.4	725
1548 011	30 x 1	21.3	288.0	829
1548 012	37 x 1	22.7	355.2	959
1548 013	48 x 1	25.7	460.8	1192
1548 014	61 x 1	27.9	585.6	1434
YKSYFtynžo 0,6/1 kV				
1548 001	7 x 1,5	13.4	100.8	357
1548 015	10 x 1,5	16.2	144.0	485
1548 016	12 x 1,5	16.6	172.8	529
1548 002	14 x 1,5	17.3	201.6	581
1548 017	16 x 1,5	18.1	230.4	641
1548 018	19 x 1,5	18.9	273.6	712
1548 019	24 x 1,5	21.7	345.6	881
1548 020	30 x 1,5	23.0	432.0	1029
1548 021	37 x 1,5	24.6	532.8	1199
1548 022	48 x 1,5	27.9	691.2	1499
1548 023	61 x 1,5	30.1	878.4	1800
YKSYFtynžo 0,6/1 kV				
1548 003	7 x 2,5	14.5	168.0	449
1548 024	10 x 2,5	17.7	240.0	617

Product No.	Number of conductors x conductor diameter	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
YKSYFtynžo 0,6/1 kV				
1548 025	12 x 2,5	18.2	288.0	681
1548 026	14 x 2,5	19.2	336.0	764
1548 027	16 x 2,5	20.1	384.0	847
1548 028	19 x 2,5	21.0	456.0	947
1548 029	24 x 2,5	24.2	576.0	1178
1548 030	30 x 2,5	25.5	720.0	1375
1548 031	37 x 2,5	27.4	888.0	1626
1548 032	48 x 2,5	31.1	1152.0	2043
YKSYFtynžo 0,6/1 kV				
1548 033	7 x 4	17.3	268.8	647
1548 034	10 x 4	21.4	384.0	901
1548 035	12 x 4	22.0	460.8	1000
1548 036	14 x 4	23.2	537.6	1125
1548 037	16 x 4	24.3	614.4	1252
YKSYFtynžo 0,6/1 kV				
1548 038	7 x 6	18.8	403.2	820
1548 039	10 x 6	23.6	576.0	1160
1548 040	12 x 6	24.2	691.2	1295
1548 041	14 x 6	25.4	806.4	1451
YKSYFtynžo 0,6/1 kV				
1548 042	7 x 10	21.4	672.0	1162
1548 043	10 x 10	27.0	960.0	1652
YKSYFtynžo 0,6/1 kV				
1548 044	7 x 16	24.3	1075.2	1634
1548 045	10 x 16	30.8	1536.0	2329

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