

YKSYFtyżo 0,6/1 kV, YKSYFty 0,6/1 kV**PVC INSULATED AND SHEATHED, STEEL TAPE ARMoured AND PVC OVERSHEATHED CONTROL CABLES**Operating voltage
0,6/1 kVTest voltage
4 kVTemp. range
fixed installation
from -30°C to +70°CTemp. range
during installation
from -5°C to +50°CMulticore
12xDFlame retardant
PN-EN 60332-1-2Indoor
applicationOutdoor
application

Direct burial



UV resistance

Mechanical
resistance**APPLICATIONS**

YKSYFtyżo 0,6/1 kV and **YKSYFty 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.

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,
 - YKSYFtyżo 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

YKSYFtyżo-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.

XnKSXSftxnżo 0,6/1 kV and **XnKSXSftxn 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.

YKSYFtyżo 0,6/1 kV, YKSYFty 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 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
YKSYFtyżo 0,6/1 kV				
1373 023	7 x 1	12.6	67.2	303
1373 022	10 x 1	15.0	96.0	402
1373 042	12 x 1	15.6	115.2	444
1373 025	14 x 1	16.2	134.4	484
1373 043	16 x 1	16.9	153.6	530
1373 024	19 x 1	17.7	182.4	587
1373 029	24 x 1	20.3	230.4	725
1373 014	30 x 1	21.3	288.0	829
1373 041	37 x 1	22.7	355.2	959
1373 030	48 x 1	25.7	460.8	1192
1373 009	61 x 1	27.9	585.6	1434
YKSYFtyżo 0,6/1 kV				
1373 008	7 x 1,5	13.4	100.8	357
1373 003	10 x 1,5	16.2	144.0	485
1373 032	12 x 1,5	16.6	172.8	529
1373 005	14 x 1,5	17.3	201.6	581
1373 044	16 x 1,5	18.1	230.4	641
1373 006	19 x 1,5	18.9	273.6	712
1373 007	24 x 1,5	21.7	345.6	881
1373 012	30 x 1,5	23.0	432.0	1029
1373 015	37 x 1,5	24.6	532.8	1199
1373 019	48 x 1,5	27.9	691.2	1499
1373 045	61 x 1,5	30.1	878.4	1800
YKSYFtyżo 0,6/1 kV				
1373 001	7 x 2,5	14.5	168.0	449
1373 016	10 x 2,5	17.7	240.0	617

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
YKSYFtyżo 0,6/1 kV				
1373 031	12 x 2,5	18.2	288.0	681
1373 020	14 x 2,5	19.2	336.0	764
1373 046	16 x 2,5	20.1	384.0	847
1373 027	19 x 2,5	21.0	456.0	947
1373 017	24 x 2,5	24.2	576.0	1178
1373 028	30 x 2,5	25.5	720.0	1375
1373 018	37 x 2,5	27.4	888.0	1626
1373 047	48 x 2,5	31.1	1152.0	2043
YKSYFtyżo 0,6/1 kV				
1373 010	7 x 4	17.3	268.8	647
1373 011	10 x 4	21.4	384.0	901
1373 048	12 x 4	22.0	460.8	1000
1373 013	14 x 4	23.2	537.6	1125
1373 034	16 x 4	24.3	614.4	1252
YKSYFtyżo 0,6/1 kV				
1373 002	7 x 6	18.8	403.2	820
1373 004	10 x 6	23.6	576.0	1160
1373 049	12 x 6	24.2	691.2	1295
1373 033	14 x 6	25.4	806.4	1451
YKSYFtyżo 0,6/1 kV				
1373 035	7 x 10	21.4	672.0	1162
1373 021	10 x 10	27.0	960.0	1652
YKSYFtyżo 0,6/1 kV				
1373 037	7 x 16	24.3	1075.2	1634
1373 050	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.