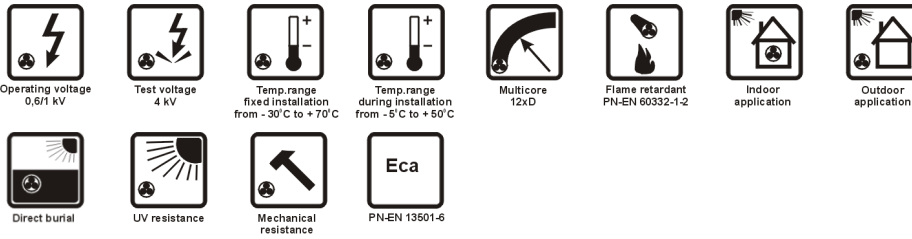


## YKSYFtyžo 0,6/1 kV, YKSYFty 0,6/1 kV



### APPLICATIONS

YKSYFtyžo 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,  
YKSYFtyžo 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

YKSYFtyžo-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.

XnKSXSftxnžo 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.

### CHARACTERISTICS

Conductor cross-section	mm <sup>2</sup>	1.0	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 <sub>o</sub> /U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
<b>Conductor temperature limit</b>	
in work conditions	+ 70°C
at short-circuit	+ 160°C
<b>Operating temperature range</b>	
during operation	from - 30 to + 70°C
during installation	from - 5 to + 50°C

Minimum bending radius	12 x cable diameter
Cable combustibility	flame retardant
Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
Reference standards	IEC 60502-1, PN-93/E-90403, PN-HD 603 S1
CPR – class reaction on fire	Eca
DoP declarations are available at	<a href="http://technokabel.com.pl">technokabel.com.pl</a>

The cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1373 023	7 x 1,0	12.6	67.2	303
1373 022	10 x 1,0	15.0	96.0	402
1373 042	12 x 1,0	15.6	115.2	444
1373 025	14 x 1,0	16.2	134.4	484
1373 059	15 x 1,0	16.7	144.0	500
1373 043	16 x 1,0	16.9	153.6	530
1373 024	19 x 1,0	17.7	182.4	587
1373 029	24 x 1,0	20.3	230.4	725
1373 014	30 x 1,0	21.3	288.0	829
1373 041	37 x 1,0	22.7	355.2	959
1373 030	48 x 1,0	25.7	460.8	1192
1373 009	61 x 1,0	27.9	585.6	1434
1373 039	75 x 1,0	30.9	720.0	1716
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 036	21 x 1,5	20.7	302.4	827
1373 007	24 x 1,5	21.7	345.6	881
1373 054	25 x 1,5	22.2	360.0	928
1373 038	27 x 1,5	22.2	388.8	948
1373 012	30 x 1,5	23.0	432.0	1029
1373 055	32 x 1,5	23.8	460.8	1099
1373 056	34 x 1,5	24.6	489.6	1169
1373 015	37 x 1,5	24.6	532.8	1199

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1373 057	40 x 1,5	26.2	576.0	1336
1373 019	48 x 1,5	27.9	691.2	1499
1373 045	61 x 1,5	30.1	878.4	1800
1373 058	64 x 1,5	31.1	921.6	1906
1373 001	7 x 2,5	14.5	168.0	449
1373 016	10 x 2,5	17.7	240.0	617
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 053	32 x 2,5	28.1	768.0	1586
1373 018	37 x 2,5	27.4	888.0	1626
1373 047	48 x 2,5	31.1	1152	2043
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
1373 026	19 x 4	25.5	729.6	1410
1373 040	24 x 4	29.6	921.6	1763
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
1373 052	21 x 6	31.1	1210	2152

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm <sup>2</sup>	mm	kg/km	kg/km
1373 051	24 x 6	33.1	1382	2356
1373 035	7 x 10	21.4	672.0	1162
1373 021	10 x 10	27.0	960.0	1652
1373 037	7 x 16	24.3	1075	1634
1373 050	10 x 16	30.8	1536	2329

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