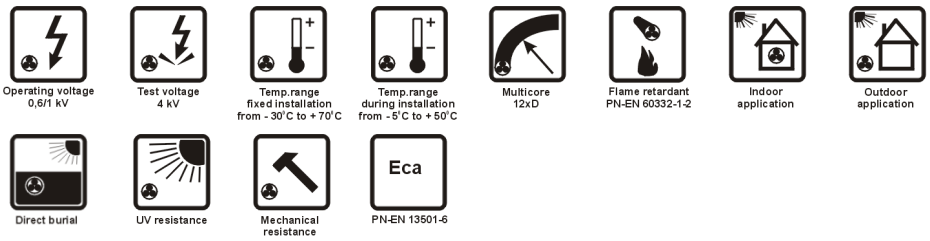
TECHNOKABEL®
Connecting since 1982

YKSYFtyżo-Nr 0,6/1 kV, YKSYFty-Nr 0,6/1 kV



APPLICATIONS

YKSYFtyżo-Nr 0,6/1 kV and **YKSYFty-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.

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,
- black PVC insulation and white conductor number printed on it, a green-yellow protective conductor in the outer layer in **YKSYFtyżo-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

YKSYFtyżo-Nr-O 0,6/1 kV and **YKSYFty-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.

XnKSXSFtxnżo-Nr 0,6/1 kV and **XnKSXSFtxn-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.

CHARACTERISTICS

Conductor cross-section	mm^2	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

TECHNOKABEL®
Connecting since 1982

RoHS COMPLIANT CE

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating temperature range	
during operation	from - 30 to + 70°C
during installation	from - 5 to + 50°C

Minimum bending radius	12 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	IEC 60502-1, PN-93/E-90403, PN-HD 603 S1
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

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.)
	mm²	mm	kg/km	kg/km
YKSYFtyżo-Nr 0,6/1 kV				
0955 008	7 x 1,0	12.4	67.2	285
0955 012	10 x 1,0	14.8	96.0	380
0955 019	19 x 1,0	17.5	182.4	561
0955 007	7 x 1,5	13.2	100.8	338
0955 010	10 x 1,5	16.0	144.0	462
0955 013	14 x 1,5	17.1	201.6	556
0955 005	19 x 1,5	18.7	273.6	683
0955 020	21 x 1,5	20.7	302.4	827
0955 002	24 x 1,5	21.7	345.6	881
0955 003	30 x 1,5	23.0	432.0	1029
0955 016	37 x 1,5	24.6	532.8	1199
0955 001	7 x 2,5	14.3	168.0	428
0955 014	10 x 2,5	17.5	240.0	591
0955 015	14 x 2,5	18.8	336.0	727
0955 017	19 x 2,5	21.0	456.0	947
0955 011	24 x 2,5	24.2	576.0	1178
0955 009	7 x 4	17.1	268.8	622
0955 006	10 x 4	21.4	384.0	901
0955 004	7 x 6	18.6	403.2	792
0955 018	10 x 6	23.6	576.0	1160
YKSYFty-Nr 0,6/1 kV				
0951 018	7 x 1,0	12.4	67.2	285
0951 020	10 x 1,0	14.8	96.0	380
0951 051	12 x 1,0	15.4	115.2	422
0951 019	14 x 1,0	16.0	134.4	460
0951 021	19 x 1,0	17.5	182.4	561

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm²	mm	kg/km	kg/km
0951 022	24 x 1,0	20.3	230.4	725
0951 025	30 x 1,0	21.3	288.0	829
0951 026	37 x 1,0	22.7	355.2	959
0951 027	48 x 1,0	25.7	460.8	1192
0951 028	61 x 1,0	27.9	585.6	1434
0951 032	75 x 1,0	30.9	720.0	1716
0951 001	7 x 1,5	13.2	100.8	338
0951 002	10 x 1,5	16.0	144.0	462
0951 041	12 x 1,5	16.4	172.8	505
0951 005	14 x 1,5	17.1	201.6	556
0951 047	16 x 1,5	17.9	230.4	615
0951 006	19 x 1,5	18.7	273.6	683
0951 043	21 x 1,5	20.7	302.4	827
0951 007	24 x 1,5	21.7	345.6	881
0951 046	27 x 1,5	22.2	388.8	948
0951 003	30 x 1,5	23.0	432.0	1029
0951 049	32 x 1,5	23.8	460.8	1099
0951 044	34 x 1,5	24.6	489.6	1169
0951 012	37 x 1,5	24.6	532.8	1199
0951 011	48 x 1,5	27.9	691.2	1499
0951 033	61 x 1,5	30.1	878.4	1800
0951 037	75 x 1,5	33.8	1080	2200
0951 009	7 x 2,5	14.3	168.0	428
0951 013	10 x 2,5	17.5	240.0	591
0951 015	14 x 2,5	18.8	336.0	727
0951 039	16 x 2,5	19.9	384.0	818
0951 017	19 x 2,5	21.0	456.0	947

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0951 036	21 x 2,5	23.0	504.0	1098
0951 023	24 x 2,5	24.2	576.0	1178
0951 029	30 x 2,5	25.5	720.0	1375
0951 031	37 x 2,5	27.4	888.0	1626
0951 050	48 x 2,5	31.1	1152	2043
0951 010	7 x 4	17.1	268.8	622
0951 014	10 x 4	21.4	384.0	901
0951 042	12 x 4	22.0	460.8	1000

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm^2	mm	kg/km	kg/km
0951 016	14 x 4	23,2	537,6	1125
0951 038	19 x 4	25,5	729,6	1410
0951 045	24 x 4	29,6	921,6	1763
0951 004	7 x 6	18,6	403,2	792
0951 008	10 x 6	23,6	576,0	1160
0951 040	14 x 6	25,4	806,4	1451
0951 048	24 x 6	33,1	1382,4	2356

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