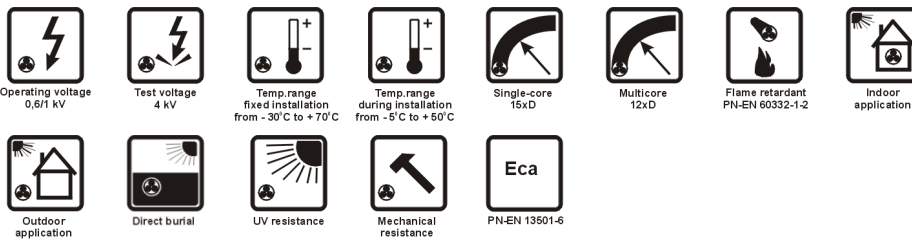


YKYFtyżo 0,6/1 kV, YKYFty 0,6/1 kV



APPLICATIONS

YKYFtyżo 0,6/1 kV and YKYFty 0,6/1 kV armoured power cables are designed for electric power transmission. They are also applied in power circuits in industrial plants and power stations and in local distribution networks.

The cables are suitable for indoor and outdoor installations, for laying in cable ducts and 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 PN-EN 60228 standard:
 - RE - class 1 circular single-wire,
 - RM - class 2 circular multi-wire,
 - SM - class 2 sector shaped multi-wire,
- PVC insulation - colours in accordance with PN-HD 308 standard, green-yellow protective conductor in YKYFtyżo 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

YKYFtyżo-O 0,6/1 kV and YKYFty-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.

XnKXSftxnżo 0,6/1 kV and XnKXSftxn 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

Operating voltage U ₀ /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	
single wire cables	15 x cable diameter
multi wire cables	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-90401, PN-HD 603 S1
CPR – class reaction on fire	Eca
DoP declarations are available 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.)	DC conductor resistance at 20°C, max.	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	kg/km	kg/km
YKYFty 0,6/1 kV					
0952 018	2x1,0 RE	10.0	18.1	19.2	174
0952 020	2x1,5 RE	10.5	12.1	28.8	196
0952 008	2x2,5 RE	11.3	7.41	48.0	236
0952 021	2x4 RE	13.0	4.61	76.8	318
0952 032	2x6 RE	14.0	3.08	115.2	385
0952 024	2x10 RE	15.8	1.83	192.0	519
0952 022	2x16 RE	17.6	1.15	307.2	688
0952 030	2x25 RM	21.9	0.727	480.0	1061
0952 042	2x35 RM	24.7	0.524	672.0	1376
YKYFtyzo 0,6/1 kV					
0954 029	3x1,0 RE	10.4	18.1	28.8	192
0954 015	3x1,5 RE	10.9	12.1	43.2	219
0954 023	3x2,5 RE	11.7	7.41	72.0	265
0954 022	3x4 RE	13.6	4.61	115.2	366
0954 028	3x6 RE	14.7	3.08	172.8	452
0954 033	3x10 RE	16.6	1.83	288.0	622
0954 027	3x16 RE	18.5	1.15	460.8	840
0954 026	3x25 RM	23.4	0.727	720.0	1312
0954 034	3x35 RM	26.2	0.524	1008	1705
0954 036	3x50 SM	27.3	0.387	1440	2241
0954 037	3x70 SM	31.1	0.268	2016	2726

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	kg/km	kg/km
0954 038	3x95 SM	36.1	0.193	2736	3802
0954 039	3x120 SM	39.1	0.153	3456	4473
0954 040	3x150 SM	43.5	0.124	4320	5567
0954 041	3x185 SM	48.0	0.0991	5328	6836
0954 042	3x240 SM	53.9	0.0754	6912	8806
YKYFtyzo 0,6/1 kV					
0954 031	4x1,0 RE	11.0	18.1	38.4	217
0954 013	4x1,5 RE	11.6	12.1	57.6	250
0954 008	4x2,5 RE	12.5	7.41	96.0	308
0954 004	4x4 RE	14.6	4.61	153.6	433
0954 011	4x6 RE	16.0	3.08	230.4	548
0954 014	4x10 RE	17.9	1.83	384.0	752
0954 020	4x16 RE	20.5	1.15	614.4	1074
0954 017	4x25 RM	25.5	0.727	960.0	1617
0954 009	4x35 RM	28.7	0.524	1344	2121
0954 043	4x50 SM	30.5	0.387	1920	2846
0954 044	4x70 SM	34.2	0.268	2688	3428
0954 032	4x95 SM	39.7	0.193	3648	4802
0954 045	4x120 SM	43.4	0.153	4608	5702
0954 046	4x150 SM	47.9	0.124	5760	7037
0954 047	4x185 SM	53.5	0.0991	7104	8756
0954 048	4x240 SM	59.7	0.0754	9216	11217

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	kg/km	kg/km
YKYFtyžo 0,6/1 kV					
0954 030	5x1,0 RE	11.7	18.1	48.0	247
0954 002	5x1,5 RE	12.4	12.1	72.0	289
0954 001	5x2,5 RE	13.4	7.41	120.0	360
0954 003	5x4 RE	15.9	4.61	192.0	515
0954 016	5x6 RE	17.3	3.08	288.0	647
0954 025	5x10 RE	19.6	1.83	480.0	906
0954 005	5x16 RE	22.3	1.15	768.0	1288
0954 018	5x25 RM	28.0	0.727	1200	1957

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	kg/km	kg/km
0954 021	5x35 RM	31.5	0.524	1680	2572
0954 049	5x50 SM	33.4	0.387	2400	3454
0954 050	5x70 SM	38.0	0.268	3360	4222
0954 051	5x95 SM	44.1	0.193	4560	5913
0954 052	5x120 SM	47.7	0.153	5760	6962
0954 053	5x150 SM	53.4	0.124	7200	8701
0954 054	5x185 SM	59.0	0.0991	8880	10715
0954 055	5x240 SM	62.8	0.0754	11520	13176

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