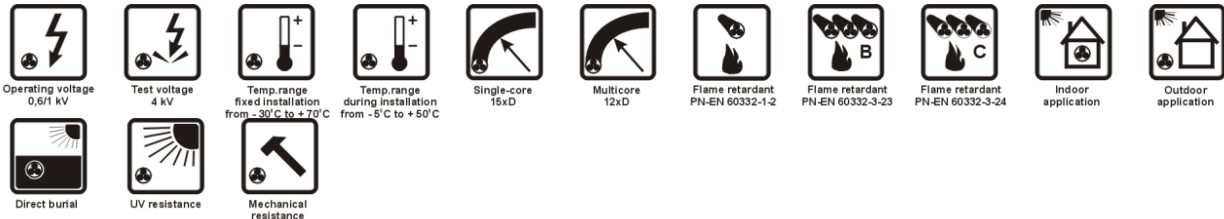


YKYFtyńżo 0,6/1 kV, YKYFtyń 0,6/1 kV**PVC INSULATED AND SHEATHED, STEEL TAPE ARMoured AND PVC OVERSHEATHED POWER CABLES****APPLICATIONS**

YKYFtyńżo 0,6/1 kV and **YKYFtyń 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.

The cable covering 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 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 **YKYFtyńżo 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

YKYFtyńżo-O 0,6/1 kV and **YKYFtyń-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.

YKYFtynżo 0,6/1 kV, YKYFtyn 0,6/1 kV
CHARACTERISTICS

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	
in work conditions	+ 70°C	single wire cables	15 x cable diameter
in short-circuit	+ 160°C	multi wire cables	12 x cable diameter
		Cable combustibility	flame retardant
		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-90401, 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.)	DC conductor resistance at 20°C, maximum	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	kg/km	kg/km
YKYFtyn 0,6/1 kV					
1056 014	2x1 RE	10.0	18.1	19.2	174
1056 015	2x1,5 RE	10.5	12.1	28.8	196
1056 016	2x2,5 RE	11.3	7.41	48.0	236
1056 012	2x4 RE	13.0	4.61	76.8	318
1056 017	2x6 RE	14.0	3.08	115.2	385
1056 018	2x10 RE	15.8	1.83	192.0	519
1056 019	2x16 RE	17.6	1.15	307.2	688
1056 020	2x25 RM	21.9	0.727	480.0	1061
1056 021	2x35 RM	24.7	0.524	672.0	1376
YKYFtynżo 0,6/1 kV					
1308 025	3x1 RE	10.4	18.1	28.8	192
1308 006	3x1,5 RE	10.9	12.1	43.2	219
1308 004	3x2,5 RE	11.7	7.41	72.0	265
1308 009	3x4 RE	13.6	4.61	115.2	366
1308 026	3x6 RE	14.7	3.08	172.8	452
1308 027	3x10 RE	16.6	1.83	288.0	622
1308 028	3x16 RE	18.5	1.15	460.8	840
1308 029	3x25 RM	23.4	0.727	720.0	1312
1308 030	3x35 RM	26.2	0.524	1008.0	1705
1308 031	3x50 SM	27.3	0.387	1440.0	2241
1308 032	3x70 SM	31.1	0.268	2016.0	2726
1308 033	3x95 SM	36.1	0.193	2736.0	3802
1308 034	3x120 SM	39.1	0.153	3456.0	4473
1308 035	3x150 SM	43.5	0.124	4320.0	5567
1308 036	3x185 SM	48.0	0.0991	5328.0	6836
1308 037	3x240 SM	53.9	0.0754	6912.0	8806
YKYFtynżo 0,6/1 kV					
1308 038	4x1 RE	11.0	18.1	38.4	217
1308 039	4x1,5 RE	11.6	12.1	57.6	250
1308 013	4x2,5 RE	12.5	7.41	96.0	308
1308 007	4x4 RE	14.6	4.61	153.6	433

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, maximum	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	kg/km	kg/km
1308 015	4x6 RE	16.0	308	230.4	548
1308 016	4x10 RE	17.9	1.83	384.0	752
1308 017	4x16 RE	20.5	1.15	614.4	1074
1308 008	4x25 RM	25.5	0.727	960.0	1617
1308 040	4x35 RM	28.7	0.524	1344.0	2121
1308 018	4x50 SM	30.5	0.387	1920.0	2846
1308 019	4x70 SM	34.2	0.268	2688.0	3428
1308 020	4x95 SM	39.7	0.193	3648.0	4802
1308 021	4x120 SM	43.4	0.153	4608.0	5702
1308 022	4x150 SM	47.9	0.124	5760.0	7037
1308 023	4x185 SM	53.5	0.0991	7104.0	8756
1308 024	4x240 SM	59.7	0.0754	9216.0	11217
YKYFtynżo 0,6/1 kV					
1308 041	5x1 RE	11.7	18.1	48.0	247
1308 042	5x1,5 RE	12.4	12.1	72.0	289
1308 011	5x2,5 RE	13.4	7.41	120.0	360
1308 010	5x4 RE	15.9	4.61	192.0	515
1308 014	5x6 RE	17.3	3.08	288.0	647
1308 002	5x10 RE	19.6	1.83	480.0	906
1308 001	5x16 RE	22.3	1.15	768.0	1288
1308 003	5x25 RM	28.0	0.727	1200.0	1957
1308 043	5x35 RM	31.5	0.524	1680.0	2572
1308 044	5x50 SM	33.4	0.387	2400.0	3454
1308 045	5x70 SM	38.0	0.268	3360.0	4222
1308 046	5x95 SM	44.1	0.193	4560.0	5913
1308 047	5x120 SM	47.7	0.153	5760.0	6962
1308 048	5x150 SM	53.4	0.124	7200.0	8701
1308 049	5x185 SM	59.0	0.0991	8880.0	10715
1308 050	5x240 SM	62.8	0.0754	11520.0	13176

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.