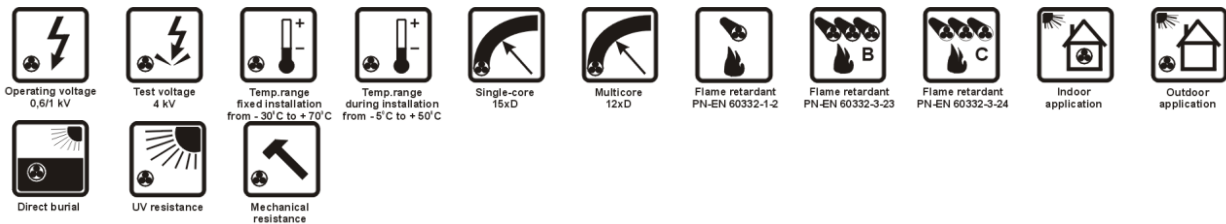


YKYFoyńżo 0,6/1 kV, YKYFoyń 0,6/1 kV**PVC INSULATED AND SHEATHED, STEEL WIRE ARMoured AND PVC OVERSHEATHED POWER CABLES****APPLICATIONS**

YKYFoyńżo 0,6/1 kV and **YKYFoyń 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.

Galvanized steel wire armour provides carrying an axial load of the cable during installation and exploitation. It also offers enhanced protection against mechanical damages and rodent attack, as well as 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 **YKYFoyńżo 0,6/1 kV** cable,
- insulated conductors laid-up in a cable core,
- PVC cable sheath,
- galvanized steel wire armour,
- black PVC cable covering, other colours also available.

AVAILABLE UPON REQUEST

YKYFoyńżo-O 0,6/1 kV and **YKYFoy-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.

XnKXSFoxńżo 0,6/1 kV and **XnKXSFoxń 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.

YKYFoynzo 0,6/1 kV, YKYFoyn 0,6/1 kV

CHARACTERISTICS

Operating voltage U _o /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
YKYFoyn 0,6/1 kV					
1275 003	2x1 RE	11.2	18.1	19.2	280
1275 004	2x1,5 RE	11.7	12.1	28.8	310
1275 005	2x2,5 RE	12.5	7.41	48.0	356
1275 006	2x4 RE	14.2	4.61	76.8	460
1275 007	2x6 RE	15.2	3.08	115.2	542
1275 008	2x10 RE	17.0	1.83	192.0	694
1275 009	2x16 RE	18.8	1.15	307.2	885
1275 010	2x25 RM	23.8	0.727	480.0	1442
1275 011	2x35 RM	26.4	0.524	672.0	1791
YKYFoynzo 0,6/1 kV					
1276 024	3x1 RE	11.6	18.1	28.8	301
1276 001	3x1,5 RE	12.1	12.1	43.2	335
1276 002	3x2,5 RE	12.9	7.41	72.0	393
1276 004	3x4 RE	14.8	4.61	115.2	515
1276 025	3x6 RE	16.1	3.08	172.8	624
1276 011	3x10 RE	17.8	1.83	288.0	808
1276 026	3x16 RE	20.6	1.15	460.8	1194
1276 027	3x25 RM	25.1	0.727	720.0	1705
1276 028	3x35 RM	28.1	0.524	1008.0	2156
1276 029	3x50 SM	29.6	0.387	1440.0	2927
1276 030	3x70 SM	33.4	0.268	2016.0	3423
1276 031	3x95 SM	38.2	0.193	2736.0	4595
1276 032	3x120 SM	42.1	0.153	3456.0	5654
1276 033	3x150 SM	46.6	0.124	4320.0	6880
1276 034	3x185 SM	52.1	0.0991	5328.0	8797
1276 035	3x240 SM	58.0	0.0754	6912.0	11033
YKYFoynzo 0,6/1 kV					
1276 036	4x1 RE	12.2	18.1	38.4	333
1276 037	4x1,5 RE	12.8	12.1	57.6	373
1276 003	4x2,5 RE	13.7	7.41	96.0	442
1276 038	4x4 RE	16.0	4.61	153.6	605

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
1276 009	4x6 RE	17.2	3.08	230.4	727
1276 012	4x10 RE	19.3	1.83	384.0	962
1276 014	4x16 RE	22.2	1.15	614.4	1412
1276 015	4x25 RM	27.4	0.727	960.0	2062
1276 039	4x35 RM	30.6	0.524	1344.0	2620
1276 040	4x50 SM	32.8	0.387	1920.0	3609
1276 041	4x70 SM	36.5	0.268	2688.0	4208
1276 042	4x95 SM	42.8	0.193	3648.0	6000
1276 016	4x120 SM	46.5	0.153	4608.0	7015
1276 018	4x150 SM	52.0	0.124	5760.0	8998
1276 020	4x185 SM	57.6	0.0991	7104.0	10949
1276 022	4x240 SM	63.8	0.0754	9216.0	13677
YKYFoynzo 0,6/1 kV					
1276 043	5x1 RE	12.9	18.1	48.0	375
1276 044	5x1,5 RE	13.6	12.1	72.0	424
1276 008	5x2,5 RE	14.6	7.41	120.0	505
1276 045	5x4 RE	17.1	4.61	192.0	689
1276 010	5x6 RE	18.5	3.08	288.0	840
1276 013	5x10 RE	21.5	1.83	480.0	1267
1276 007	5x16 RE	24.2	1.15	768.0	1678
1276 005	5x25 RM	29.7	0.727	1200.0	2426
1276 006	5x35 RM	33.8	0.524	1680.0	3280
1276 046	5x50 SM	35.7	0.387	2400.0	4294
1276 047	5x70 SM	41.0	0.268	3360.0	5382
1276 048	5x95 SM	47.1	0.193	4560.0	7245
1276 017	5x120 SM	51.8	0.153	5760.0	8924
1276 019	5x150 SM	57.4	0.124	7200.0	10895
1276 021	5x185 SM	63.2	0.0991	8880.0	13175
1276 023	5x240 SM	68.1	0.0754	11520.0	16531

Other cross-sections and conductor counts available on request.

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