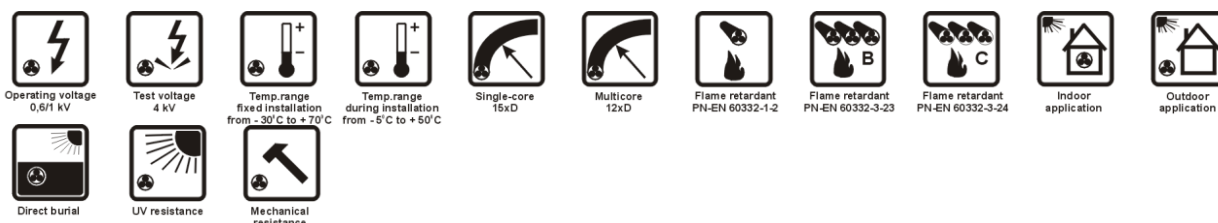
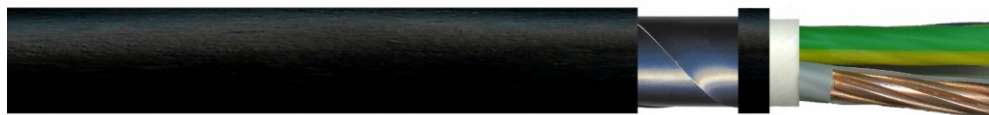


YKXSFTynżo 0,6/1 kV, YKXSFTyn 0,6/1 kV**XLPE INSULATED AND PVC SHEATHED, STEEL TAPE ARMoured AND PVC OVERSHEATHED POWER CABLES****APPLICATIONS**

YKXSFTynżo 0,6/1 kV and **YKXSFTyn 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.

Improved electrical properties, small dimensions and weight compared to the cables with PVC insulation is achieved using cross-linked polyethylene insulation.

Steel tape armour offers enhanced protection against mechanical damages and rodent attack, it has also shielding properties.

The cable sheath 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.
- cross-linked polyethylene (XLPE) insulation - colours in accordance with PN-HD 308 standard, green-yellow protective conductor in **YKXSFTynżo 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

YKXSFTynżo-O 0,6/1 kV and **YKXSFTyn-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.

XnKXSFTynżo 0,6/1 kV and **XnKXSFTyn 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

YKXSftynżo 0,6/1 kV, YKXSftyn 0,6/1 kV

corrosive.

YKXSftynżo 0,6/1 kV, YKXSftyn 0,6/1 kV

CHARACTERISTICS

Operating voltage Uo/U	0.6/1 kV	Temperature range	
Voltage test	4 kV rms	during operation	from - 30 to + 70°C
Insulation resistance, minimum	100 MΩ·km	during installation	from - 5 to + 50°C
Conductor temperature limit		Minimum bending radius	
in work conditions	+ 90°C	single wire cables	15 x cable diameter
in short-circuit	+ 250°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-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
YKXSftyn 0,6/1 kV					
1803 001	2x1 RE	9.8	18.1	19.2	164
1803 002	2x1,5 RE	10.3	12.1	28.8	186
1803 003	2x2,5 RE	11.1	7.41	48.0	224
1803 004	2x4 RE	12.0	4.61	76.8	275
1803 005	2x6 RE	13.0	3.08	115.2	338
1803 006	2x10 RE	14.6	1.83	192.0	458
1803 007	2x16 RE	16.6	1.15	307.2	628
1803 008	2x25 RM	20.7	0.727	480.0	969
1803 009	2x35 RM	23.5	0.524	672.0	1273
YKXSftynżo 0,6/1 kV					
1804 001	3x1 RE	10.2	18.1	28.8	181
1804 002	3x1,5 RE	10.7	12.1	43.2	206
1804 003	3x2,5 RE	11.5	7.41	72.0	250
1804 004	3x4 RE	12.5	4.61	115.2	316
1804 005	3x6 RE	13.6	3.08	172.8	397
1804 006	3x10 RE	15.5	1.83	288.0	557
1804 007	3x16 RE	17.5	1.15	460.8	772
1804 008	3x25 RM	21.9	0.727	720.0	1191
1804 009	3x35 RM	24.9	0.524	1008.0	1581
1804 010	3x50 SM	25.8	0.387	1440.0	2065
1804 011	3x70 SM	29.9	0.268	2016.0	2570
1804 012	3x95 SM	33.6	0.193	2736.0	3496
1804 013	3x120 SM	37.3	0.153	3456.0	4204
1804 014	3x150 SM	41.7	0.124	4320.0	5250
1804 015	3x185 SM	46.5	0.0991	5328.0	6503
1804 016	3x240 SM	51.7	0.0754	6912.0	8325
YKXSftynżo 0,6/1 kV					
1804 017	4x1 RE	10.8	18.1	38.4	203
1804 018	4x1,5 RE	11.4	12.1	57.6	234
1804 019	4x2,5 RE	12.3	7.41	96.0	290
1804 020	4x4 RE	13.4	4.61	153.6	372

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
1804 021	4x6 RE	14.6	3.08	230.4	472
1804 022	4x10 RE	16.7	1.83	384.0	674
1804 023	4x16 RE	18.9	1.15	614.4	943
1804 024	4x25 RM	24.0	0.727	960.0	1475
1804 025	4x35 RM	27.3	0.524	1344.0	1965
1804 026	4x50 SM	28.2	0.387	1920.0	2576
1804 027	4x70 SM	32.8	0.268	2688.0	3221
1804 028	4x95 SM	37.3	0.193	3648.0	4446
1804 029	4x120 SM	41.5	0.153	4608.0	5359
1804 030	4x150 SM	46.1	0.124	5760.0	6651
1804 031	4x185 SM	51.6	0.0991	7104.0	8276
1804 032	4x240 SM	57.2	0.0754	9216.0	10580
YKXSftynżo 0,6/1 kV					
1804 033	5x1 RE	11.4	18.1	48.0	226
1804 034	5x1,5 RE	12.1	12.1	72.0	265
1804 035	5x2,5 RE	13.1	7.41	120.0	333
1804 036	5x4 RE	14.4	4.61	192.0	432
1804 037	5x6 RE	15.9	3.08	288.0	562
1804 038	5x10 RE	18.1	1.83	480.0	800
1804 039	5x16 RE	20.9	1.15	768.0	1170
1804 040	5x25 RM	26.2	0.727	1200.0	1768
1804 041	5x35 RM	29.7	0.524	1680.0	2356
1804 042	5x50 SM	31.3	0.387	2400.0	3149
1804 043	5x70 SM	36.5	0.268	3360.0	3954
1804 044	5x95 SM	41.4	0.193	4560.0	5465
1804 045	5x120 SM	45.8	0.153	5760.0	6545
1804 046	5x150 SM	51.2	0.124	7200.0	8164
1804 047	5x185 SM	57.0	0.0991	8880.0	10117
1804 048	5x240 SM	63.3	0.0754	11520.0	12957

Other cross-sections and conductor counts available on request.

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