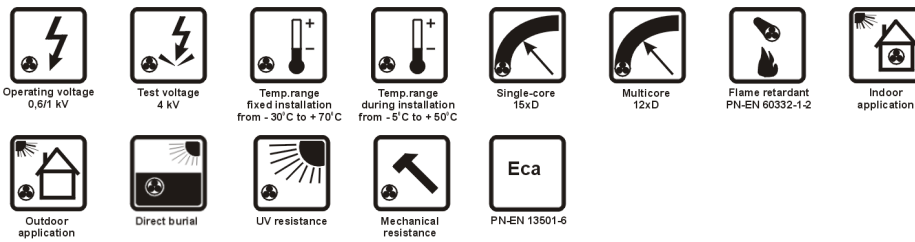


YKXSFoyžo 0,6/1 kV, YKXSFoy 0,6/1 kV



APPLICATIONS

YKXSFoyžo 0,6/1 kV and YKXSFoy 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.

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.

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 YKXSFoyžo 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

YKXSFoyžo-O 0,6/1 kV and YKXSFoy-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.

XnKXSFoxnžo 0,6/1 kV and XnKXSFoxn 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	100 MΩ·km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
during operation	from - 30 to + 70°C
during installation	from - 5 to + 50°C

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-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

Minimum bending radius

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
YKXSFOY 0,6/1 kV					
1354 011	2 x 1,0 RE	11.0	18.1	19.2	266
1354 012	2 x 1,5 RE	11.5	12.1	28.8	295
1354 010	2 x 2,5 RE	12.3	7.41	48.0	345
1354 013	2 x 4 RE	13.2	4.61	76.8	406
1354 014	2 x 6 RE	14.2	38.0	115.2	480
1354 015	2 x 10 RE	16.0	1.83	192.0	630
1354 016	2 x 16 RE	17.8	1.15	307.2	815
1354 017	2 x 25 RM	22.4	0.727	480.0	1316
1354 018	2 x 35 RM	25.2	0.524	672.0	1665
1354 019	2 x 50 RM	28.1	0.387	960.0	2085
1354 020	2 x 70 RM	32.6	0.268	1344	2919
1354 021	2 x 95 RM	36.8	0.193	1824	3808
1354 022	2 x 120 RM	40.5	0.153	2304	4522
1354 023	2 x 150 RM	45.6	0.124	2880	5831
1354 024	2 x 185 RM	50.6	0.0991	3552	7077
1354 025	2 x 240 RM	56.9	0.0754	4608	9348
YKXSFOYŹO 0,6/1 kV					
1366 006	3 x 1,0 RE	11.4	18.1	28.8	290
1366 013	3 x 1,5 RE	11.9	12.1	43.2	318
1366 008	3 x 2,5 RE	12.7	7.41	72.0	374
1366 014	3 x 4 RE	13.7	4.61	115.2	450
1366 015	3 x 6 RE	14.8	38.0	172.8	546
1366 011	3 x 10 RE	16.7	1.83	288.0	729

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
1366 016	3 x 16 RE	18.7	1.15	460.8	969
1366 001	3 x 25 RM	23.8	0.727	720.0	1573
1366 017	3 x 35 RM	26.8	0.524	1008	2009
1366 018	3 x 50 SM	27.3	0.387	1440	2533
1366 019	3 x 70 SM	32.2	0.268	2016	3246
1366 020	3 x 95 SM	35.9	0.193	2736	4251
1366 021	3 x 120 SM	40.3	0.153	3456	5324
1366 022	3 x 150 SM	44.7	0.124	4320	6526
1366 023	3 x 185 SM	50.5	0.0991	5328	8396
1366 024	3 x 240 SM	55.9	0.0754	6912	10481
YKXSFOYŹO 0,6/1 kV					
1366 025	4 x 1,0 RE	12.0	18.1	38.4	319
1366 026	4 x 1,5 RE	12.6	12.1	57.6	358
1366 009	4 x 2,5 RE	13.5	7.41	96.0	425
1366 010	4 x 4 RE	14.6	4.61	153.6	516
1366 027	4 x 6 RE	16.0	38.0	230.4	645
1366 028	4 x 10 RE	17.9	1.83	384.0	860
1366 029	4 x 16 RE	21.0	1.15	614.4	1306
1366 012	4 x 25 RM	25.7	0.727	960.0	1874
1366 030	4 x 35 RM	29.0	0.524	1344	2427
1366 031	4 x 50 SM	30.4	0.387	1920	3274
1366 032	4 x 70 SM	35.1	0.268	2688	3966
1366 033	4 x 95 SM	40.3	0.193	3648	5567
1366 034	4 x 120 SM	44.5	0.153	4608	6613

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
1366 035	4 x 150 SM	49.1	0.124	5760	8041
1366 036	4 x 185 SM	55.8	0.0991	7104	10432
1366 037	4 x 240 SM	61.3	0.0754	9216	12943
YKXS Foyžo 0,6/1 kV					
1366 038	5 x 1,0 RE	12.6	18.1	48.0	351
1366 007	5 x 1,5 RE	13.3	12.1	72.0	397
1366 039	5 x 2,5 RE	14.3	7.41	120.0	474
1366 040	5 x 4 RE	15.8	4.61	192.0	601
1366 041	5 x 6 RE	17.1	38.0	288.0	736
1366 003	5 x 10 RE	19.5	1.83	480.0	1015

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
1366 004	5 x 16 RE	22.6	1.15	7680	1515
1366 042	5 x 25 RM	28.1	0.727	1200	2219
1366 043	5 x 35 RM	32.2	0.524	1680	3042
1366 044	5 x 50 SM	33.6	0.387	2400	3937
1366 045	5 x 70 SM	38.8	0.268	3360	4779
1366 046	5 x 95 SM	44.4	0.193	4560	6719
1366 047	5 x 120 SM	48.7	0.153	5760	7911
1366 048	5 x 150 SM	55.2	0.124	7200	10257
1366 049	5 x 185 SM	61.1	0.0991	8880	12444
1366 050	5 x 240 SM	68.5	0.0754	11520	16369

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