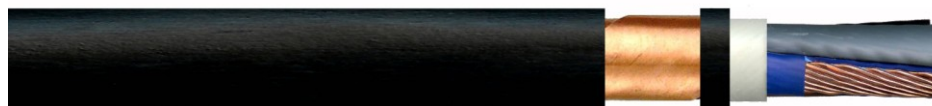


YKXSektmyżo 0,6/1 kV, YKXSektmy 0,6/1 kV**XLPE INSULATED AND PVC SHEATHED, COPPER TAPE SHIELDED AND PVC OVERSHEATHED POWER CABLES**Operating voltage
0,6/1 kVTest voltage
4 kVTemp. range
fixed installation
from -30°C to +70°CTemp. range
during installation
from -5°C to +50°CSingle-core
15xDMulticore
12xDFlame retardant
PN-EN 60332-1-2Indoor
applicationOutdoor
application

Direct burial



UV resistance

EMC
Electromagnetic
compatibility**APPLICATIONS**

YKXSektmyżo 0,6/1 kV and **YKXSektmy 0,6/1 kV** shielded 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.

Copper tape overall shield prevents emission of interferences produced in the cables and protects the cables against external electromagnetic interferences.

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 **YKXSektmyżo 0,6/1 kV** cable,

- insulated conductors laid-up in a cable core,

- PVC cable sheath,

- copper tape shield,

- black PVC cable covering, other colours also available.

AVAILABLE UPON REQUEST

YKXSektmyżo-O 0,6/1 kV and **YKXSektmy-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.

XnKXSektmxnżo 0,6/1 kV and **XnKXSektmxn 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.

YKXSektmyžo 0,6/1 kV, YKXSektmy 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	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
		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
YKXSektmy 0,6/1 kV					
1286 004	1x1,5 RE	7.6	12.1	33.1	99
1286 005	1x2,5 RE	7.9	7.41	44.2	113
1286 006	1x4 RE	8.4	4.61	60.5	135
1286 007	1x6 RE	8.9	3.08	81.5	160
1286 008	1x10 RE	9.7	1.83	123.6	210
1286 009	1x16 RE	10.6	1.15	184.9	277
1286 010	1x25 RM	12.5	0.727	278.8	391
1286 011	1x35 RM	13.5	0.524	378.5	493
1286 012	1x50 RM	14.9	0.387	528.4	633
1286 013	1x70 RM	16.9	0.268	727.7	859
1286 014	1x95 RM	18.6	0.193	974.7	1160
1286 015	1x120 RM	20.5	0.153	1221.4	1380
1286 016	1x150 RM	22.4	0.124	1517.2	1693
1286 017	1x185 RM	24.8	0.0991	1862.0	2086
1286 018	1x240 RM	27.4	0.0754	2399.7	2669
1286 019	1x300 RM	29.4	0.0601	2983.8	3208
1286 020	1x400 RM	33.0	0.0470	3957.4	4342
1286 021	1x500 RM	36.4	0.0366	4929.9	5382
YKXSektmy 0,6/1 kV					
1286 022	2x1 RE	9.6	18.1	46.0	154
1286 002	2x1,5 RE	10.1	12.1	58.0	175
1286 003	2x2,5 RE	10.9	7.41	80.1	212
1286 023	2x4 RE	11.8	4.61	112.5	262
1286 024	2x6 RE	12.8	3.08	155.1	324
1286 025	2x10 RE	14.4	1.83	238.3	442
1286 026	2x16 RE	16.4	1.15	361.1	610
1286 027	2x25 RM	20.3	0.727	548.5	915
1286 028	2x35 RM	23.1	0.524	751.1	1211
YKXSektmyžo 0,6/1 kV					
1807 001	3x1 RE	10.0	18.1	57.1	169
1807 002	3x1,5 RE	10.5	12.1	74.3	194
1807 003	3x2,5 RE	11.3	7.41	105.7	238
1807 004	3x4 RE	12.3	4.61	153.2	302
1807 005	3x6 RE	13.4	3.08	215.1	382
1807 006	3x10 RE	15.1	1.83	337.1	532
1807 007	3x16 RE	17.3	1.15	518.1	752
1807 008	3x25 RM	21.5	0.727	793.2	1133
1807 009	3x35 RM	24.5	0.524	1092.9	1515
1807 010	3x50 SM	25.4	0.387	1536.3	1990
1807 011	3x70 SM	29.5	0.268	2129.7	2491
1807 012	3x95 SM	33.2	0.193	2865.1	3406

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
1807 013	3x120 SM	36.9	0.153	3600.6	4104
1807 014	3x150 SM	41.3	0.124	4483.4	5137
1807 015	3x185 SM	46.1	0.0991	5511.3	6377
1807 016	3x240 SM	51.3	0.0754	7116.4	8186
YKXSektmyžo 0,6/1 kV					
1807 017	4x1 RE	10.6	18.1	69.7	191
1807 018	4x1,5 RE	11.2	12.1	91.7	222
1807 019	4x2,5 RE	12.1	7.41	133.2	277
1807 020	4x4 RE	13.2	4.61	194.8	356
1807 021	4x6 RE	14.4	3.08	276.7	456
1807 022	4x10 RE	16.5	1.83	438.1	655
1807 023	4x16 RE	18.7	1.15	677.2	922
1807 024	4x25 RM	23.6	0.727	1041.0	1411
1807 025	4x35 RM	26.9	0.524	1437.5	1892
1807 026	4x50 SM	27.7	0.387	2026.8	2478
1807 027	4x70 SM	32.5	0.268	2814.1	3134
1807 028	4x95 SM	36.9	0.193	3792.6	4346
1807 029	4x120 SM	41.1	0.153	4770.9	5246
1807 030	4x150 SM	45.7	0.124	5941.8	6526
1807 031	4x185 SM	51.2	0.0991	7308.0	8136
1807 032	4x240 SM	56.9	0.0754	9442.8	10425
YKXSektmyžo 0,6/1 kV					
1807 033	5x1 RE	11.2	18.1	82.1	215
1807 034	5x1,5 RE	11.9	12.1	108.1	252
1807 035	5x2,5 RE	12.9	7.41	160.1	318
1807 036	5x4 RE	14.2	4.61	237.6	416
1807 037	5x6 RE	15.7	3.08	339.0	544
1807 038	5x10 RE	17.9	1.83	539.6	780
1807 039	5x16 RE	20.5	1.15	837.4	1115
1807 040	5x25 RM	25.8	0.727	1289.9	1698
1807 041	5x35 RM	29.3	0.524	1783.1	2275
1807 042	5x50 SM	30.9	0.387	2519.5	3055
1807 043	5x70 SM	36.2	0.268	3501.0	3856
1807 044	5x95 SM	41.0	0.193	4722.6	5352
1807 045	5x120 SM	45.4	0.153	5940.9	6420
1807 046	5x150 SM	50.8	0.124	7402.2	8025
1807 047	5x185 SM	56.7	0.0991	9106.2	9962
1807 048	5x240 SM	62.9	0.0754	11772.6	12785

Other cross-sections and conductor counts available on request.

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