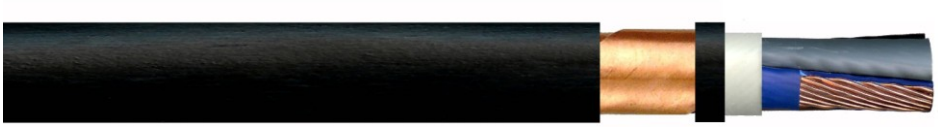
TECHNOKABEL®

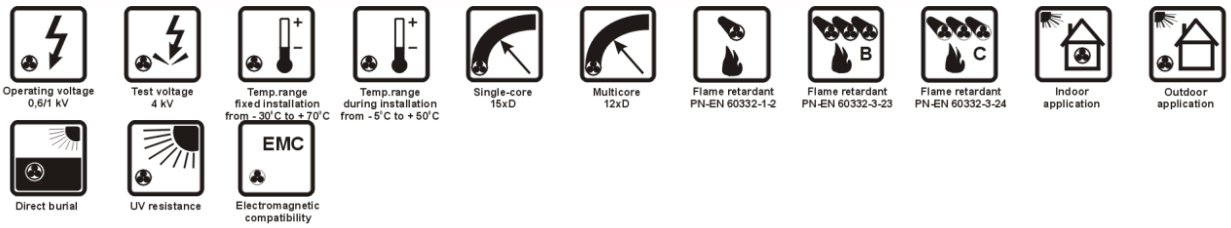
CE RoHS

ISO 9001:2008

YKXSektmynżo 0,6/1 kV, YKXSektmyn 0,6/1 kV

XLPE INSULATED AND PVC SHEATHED, COPPER TAPE SHIELDED AND PVC OVERSHEATHED POWER CABLES





APPLICATIONS

YKXSektmynżo 0,6/1 kV and **YKXSektmyn 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.

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 **YKXSektmynżo 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.

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CHARACTERISTICS

Operating voltage Uo/U	0.6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	100 MΩ·km
Conductor temperature limit	
in work conditions	+ 90°C
in short-circuit	+ 250°C

Temperature range	
during operation	from - 30 to + 70°C
during installation	from - 5 to + 50°C
Minimum bending radius	
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
≥ 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
YKXSektmyn 0,6/1 kV					
1806 002	1x1,5 RE	7.6	12.1	33.1	99
1806 003	1x2,5 RE	7.9	7.41	44.2	113
1806 004	1x4 RE	8.4	4.61	60.5	135
1806 005	1x6 RE	8.9	3.08	81.5	160
1806 006	1x10 RE	9.7	1.83	123.6	210
1806 007	1x16 RE	10.6	1.15	184.9	277
1806 008	1x25 RM	12.5	0.727	278.8	391
1806 009	1x35 RM	13.5	0.524	378.5	493
1806 010	1x50 RM	14.9	0.387	528.4	633
1806 011	1x70 RM	16.9	0.268	727.7	859
1806 012	1x95 RM	18.6	0.193	974.7	1160
1806 013	1x120 RM	20.5	0.153	1221.4	1380
1806 014	1x150 RM	22.4	0.124	1517.2	1693
1806 015	1x185 RM	24.8	0.0991	1862.0	2086
1806 016	1x240 RM	27.4	0.0754	2399.7	2669
1806 017	1x300 RM	29.4	0.0601	2983.8	3208
1806 018	1x400 RM	33.0	0.0470	3957.4	4342
1806 019	1x500 RM	36.4	0.0366	4929.9	5382
YKXSektmyn 0,6/1 kV					
1806 001	2x1 RE	9.6	18.1	46.0	154
1806 020	2x1,5 RE	10.1	12.1	58.0	175
1806 021	2x2,5 RE	10.9	7.41	80.1	212
1806 022	2x4 RE	11.8	4.61	112.5	262
1806 023	2x6 RE	12.8	3.08	155.1	324
1806 024	2x10 RE	14.4	1.83	238.3	442
1806 025	2x16 RE	16.4	1.15	361.1	610
1806 026	2x25 RM	20.3	0.727	548.5	915
1806 027	2x35 RM	23.1	0.524	751.1	1211
YKXSektmynżo 0,6/1 kV					
1144 005	3x1 RE	10.0	18.1	57.1	169
1144 006	3x1,5 RE	10.5	12.1	74.3	194
1144 007	3x2,5 RE	11.3	7.41	105.7	238
1144 008	3x4 RE	12.3	4.61	153.2	302
1144 009	3x6 RE	13.4	3.08	215.1	382
1144 010	3x10 RE	15.1	1.83	337.1	532
1144 011	3x16 RE	17.3	1.15	518.1	752
1144 012	3x25 RM	21.5	0.727	793.2	1133
1144 013	3x35 RM	24.5	0.524	1092.9	1515
1144 014	3x50 SM	25.4	0.387	1536.3	1990
1144 015	3x70 SM	29.5	0.268	2129.7	2491
1144 016	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
1144 017	3x120 SM	36.9	0.153	3600.6	4104
1144 018	3x150 SM	41.3	0.124	4483.4	5137
1144 019	3x185 SM	46.1	0.0991	5511.3	6377
1144 020	3x240 SM	51.3	0.0754	7116.4	8186
YKXSektmynżo 0,6/1 kV					
1144 021	4x1 RE	10.6	18.1	69.7	191
1144 022	4x1,5 RE	11.2	12.1	91.7	222
1144 023	4x2,5 RE	12.1	7.41	133.2	277
1144 024	4x4 RE	13.2	4.61	194.8	356
1144 025	4x6 RE	14.4	3.08	276.7	456
1144 026	4x10 RE	16.5	1.83	438.1	655
1144 001	4x16 RE	18.7	1.15	677.2	922
1144 002	4x25 RM	23.6	0.727	1041.0	1411
1144 003	4x35 RM	26.9	0.524	1437.5	1892
1144 027	4x50 SM	27.7	0.387	2026.8	2478
1144 028	4x70 SM	32.5	0.268	2814.1	3134
1144 029	4x95 SM	36.9	0.193	3792.6	4346
1144 030	4x120 SM	41.1	0.153	4770.9	5246
1144 031	4x150 SM	45.7	0.124	5941.8	6526
1144 032	4x185 SM	51.2	0.0991	7308.0	8136
1144 033	4x240 SM	56.9	0.0754	9442.8	10425
YKXSektmynżo 0,6/1 kV					
1144 034	5x1 RE	11.2	18.1	82.1	215
1144 035	5x1,5 RE	11.9	12.1	108.1	252
1144 036	5x2,5 RE	12.9	7.41	160.1	318
1144 037	5x4 RE	14.2	4.61	237.6	416
1144 038	5x6 RE	15.7	3.08	339.0	544
1144 039	5x10 RE	17.9	1.83	539.6	780
1144 040	5x16 RE	20.5	1.15	837.4	1115
1144 041	5x25 RM	25.8	0.727	1289.9	1698
1144 042	5x35 RM	29.3	0.524	1783.1	2275
1144 043	5x50 SM	30.9	0.387	2519.5	3055
1144 044	5x70 SM	36.2	0.268	3501.0	3856
1144 045	5x95 SM	41.0	0.193	4722.6	5352
1144 046	5x120 SM	45.4	0.153	5940.9	6420
1144 047	5x150 SM	50.8	0.124	7402.2	8025
1144 048	5x185 SM	56.7	0.0991	9106.2	9962
1144 049	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.

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