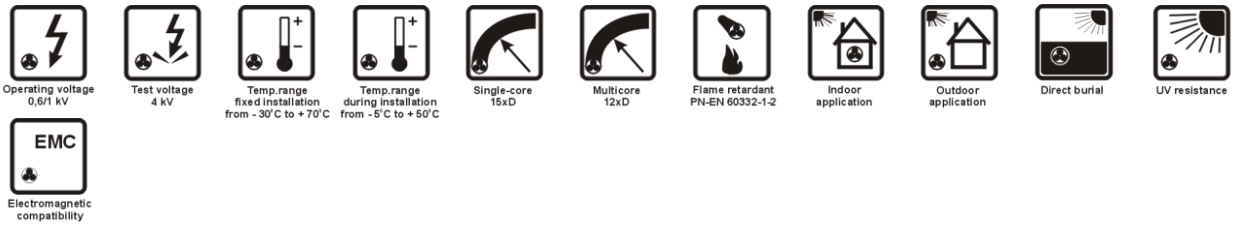
TECHNOKABEL®

CE RoHS

ISO 9001:2008

YKYektmyżo 0,6/1 kV, YKYektmy 0,6/1 kV

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



APPLICATIONS

YKYektmyżo 0,6/1 kV and **YKYektmy 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.

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,
- PVC insulation - colours in accordance with PN-HD 308 standard, green-yellow protective conductor in **YKYektmyżo 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

YKYektmyżo-O 0,6/1 kV and **YKYektmy-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	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
in short-circuit	+ 160°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
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
YKYektmy 0,6/1 kV					
0619 029	1x1 RE	7.4	18.1	27.6	94
0619 030	1x1,5 RE	7.7	12.1	33.5	104
0619 031	1x2,5 RE	8.0	7.41	44.3	118
0619 032	1x4 RE	8.9	4.61	62.3	150
0619 033	1x6 RE	9.4	3.08	83.5	177
0619 034	1x10 RE	10.2	1.83	125.4	229
0619 035	1x16 RE	11.1	1.15	186.2	297
0619 036	1x25 RM	13.1	0.727	281.0	421
0619 037	1x35 RM	14.1	0.524	381.0	526
0619 026	1x50 RM	15.9	0.387	531.3	688
0619 038	1x70 RM	17.5	0.268	730.0	905
0619 039	1x95 RM	19.8	0.193	978.4	1242
0619 027	1x120 RM	21.3	0.153	1224.6	1451
0619 010	1x150 RM	23.4	0.124	1520.1	1789
0619 040	1x185 RM	25.6	0.0991	1865.1	2186
0619 028	1x240 RM	28.4	0.0754	2403.8	2799
0619 011	1x300 RM	30.8	0.0601	2988.3	3383
0619 041	1x400 RM	34.4	0.0470	3962.9	4548
0619 042	1x500 RM	37.6	0.0366	4935.6	5602
YKYektmy 0,6/1 kV					
0619 003	2x1 RE	9.8	18.1	47.0	164
0619 005	2x1,5 RE	10.3	12.1	58.6	185
0619 004	2x2,5 RE	11.1	7.41	80.6	224
0619 013	2x4 RE	12.8	4.61	116.7	304
0619 043	2x6 RE	13.8	3.08	159.2	370
0619 044	2x10 RE	15.6	1.83	242.4	501
0619 025	2x16 RE	17.4	1.15	364.9	668
0619 045	2x25 RM	21.5	0.727	553.2	1003
0619 046	2x35 RM	24.3	0.524	755.8	1310
YKYektmyżo 0,6/1 kV					
0848 014	3x1 RE	10.2	18.1	58.2	181
0848 002	3x1,5 RE	10.7	12.1	74.8	207
0848 008	3x2,5 RE	11.5	7.41	106.6	253
0848 015	3x4 RE	13.4	4.61	157.5	351
0848 016	3x6 RE	14.5	3.08	219.5	436
0848 017	3x10 RE	16.4	1.83	341.9	603
0848 018	3x16 RE	18.3	1.15	522.2	819
0848 019	3x25 RM	23.0	0.727	798.6	1250
0848 020	3x35 RM	25.8	0.524	1097.9	1635
0848 021	3x50 SM	27.0	0.387	1543.1	2160
0848 022	3x70 SM	30.7	0.268	2135.1	2643

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
0848 023	3x95 SM	35.7	0.193	2875.6	3705
0848 024	3x120 SM	38.7	0.153	3607.6	4369
0848 025	3x150 SM	43.1	0.124	4491.2	5450
0848 026	3x185 SM	47.7	0.0991	5516.9	6707
0848 027	3x240 SM	53.5	0.0754	7126.8	8658
YKYektmyżo 0,6/1 kV					
0848 028	4x1 RE	10.8	18.1	70.2	205
0848 001	4x1,5 RE	11.4	12.1	91.8	238
0848 003	4x2,5 RE	12.3	7.41	134.0	294
0848 006	4x4 RE	14.4	4.61	199.9	416
0848 007	4x6 RE	15.8	3.08	281.6	530
0848 029	4x10 RE	17.7	1.83	442.8	731
0848 030	4x16 RE	20.1	1.15	682.0	1021
0848 031	4x25 RM	25.1	0.727	1047.4	1549
0848 011	4x35 RM	28.3	0.524	1443.1	2043
0848 032	4x50 SM	30.1	0.387	2036.6	2756
0848 033	4x70 SM	33.9	0.268	2820.1	3337
0848 034	4x95 SM	39.4	0.193	3803.2	4695
0848 035	4x120 SM	43.1	0.153	4778.9	5585
0848 036	4x150 SM	47.6	0.124	5948.5	6908
0848 037	4x185 SM	53.2	0.0991	7317.4	8609
0848 038	4x240 SM	59.3	0.0754	9455.1	11053
YKYektmyżo 0,6/1 kV					
0848 009	5x1 RE	11.5	18.1	82.6	235
0848 004	5x1,5 RE	12.2	12.1	109.4	276
0848 005	5x2,5 RE	13.2	7.41	161.2	345
0848 010	5x4 RE	15.7	4.61	243.0	497
0848 039	5x6 RE	17.1	3.08	344.4	627
0848 012	5x10 RE	19.4	1.83	545.2	884
0848 040	5x16 RE	21.9	1.15	843.1	1229
0848 013	5x25 RM	27.6	0.727	1296.3	1882
0848 041	5x35 RM	31.1	0.524	1789.6	2486
0848 042	5x50 SM	33.0	0.387	2528.6	3355
0848 043	5x70 SM	37.6	0.268	3508.5	4119
0848 044	5x95 SM	43.7	0.193	4733.1	5793
0848 045	5x120 SM	47.4	0.153	5947.8	6833
0848 046	5x150 SM	53.0	0.124	7412.6	8555
0848 047	5x185 SM	58.6	0.0991	9113.7	10554
0848 048	5x240 SM	62.3	0.0754	11770.8	12974

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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