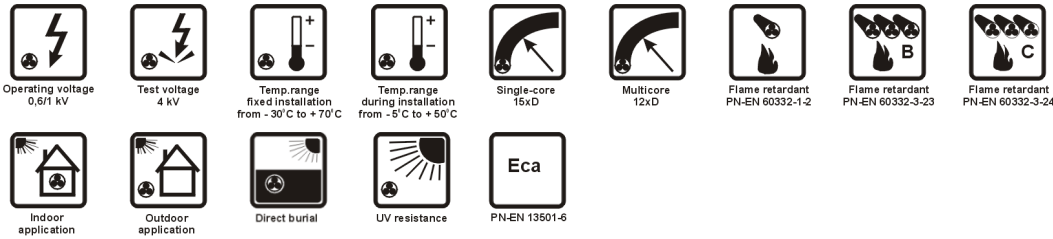


YnKYžo 0,6/1 kV, YnKY 0,6/1 kV



APPLICATIONS

YnKYžo 0,6/1 kV and YnKY 0,6/1 kV 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.

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,
- PVC insulation - colours in accordance with PN-HD 308 standard, green-yellow protective conductor in YnKYžo 0,6/1 kV cable,
- insulated conductors laid-up in a cable core,
- black PVC special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

YKYžo-O 0,6/1 kV and YKY-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.

XnKXSžo 0,6/1 kV and XnKXS 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.

Steel wire or steel tape armoured cables as above applied in locations where enhanced protection against mechanical damages is required.



CHARACTERISTICS

Operating voltage U ₀ /U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
at short-circuit	+ 160°C
Operating 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
< 25 mm ²	PN-EN 60332-3-24, IEC 60332-3-24
Reference standards	IEC 60502-1, PN-93/E-90401, 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

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
YnKY 0,6/1 kV					
0680 060	1x1,0 RE	4.9	18.1	9.6	39
0680 049	1x1,5 RE	5.2	12.1	14.4	46
0680 050	1x2,5 RE	5.5	7.41	24.0	58
0680 051	1x4 RE	6.4	4.61	38.4	81
0680 052	1x6 RE	6.9	3.08	57.6	104
0680 053	1x10 RE	7.7	1.83	96.0	147
0680 054	1x16 RE	8.6	1.15	153.6	207
0680 055	1x25 RM	10.6	0.727	240.0	311
0680 022	1x35 RM	11.6	0.524	336.0	406
0680 035	1x50 RM	13.4	0.387	480.0	551
0680 040	1x70 RM	15.0	0.268	672.0	752
0680 048	1x95 RM	17.3	0.193	912.0	1068
0680 036	1x120 RM	19.0	0.153	1152	1271
0680 028	1x150 RM	20.9	0.124	1440	1579
0680 013	1x185 RM	23.3	0.0991	1776	1967
0680 030	1x240 RM	26.1	0.0754	2304	2554
0680 057	1x300 RM	28.5	0.0601	2880	3117
0680 058	1x400 RM	31.7	0.0470	3840	4213
0680 059	1x500 RM	35.1	0.0366	4800	5251
YnKY 0,6/1 kV					
0680 016	2x1 RE	7.9	18.1	19.2	96
0680 027	2x1,5 RE	8.4	12.1	28.8	113

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
0680 004	2x2,5 RE	9.2	7.41	48.0	144
0680 005	2x4 RE	10.9	4.61	76.8	209
0680 019	2x6 RE	11.9	3.08	115.2	265
0680 006	2x10 RE	14.0	1.83	192.0	399
0680 041	2x16 RE	15.8	1.15	307.2	552
0680 021	2x25 RM	19.7	0.727	480.0	846
0680 056	2x35 RM	21.8	0.524	672.0	1092
0680 068	2x50 RM	25.1	0.387	960.0	1472
0680 069	2x70 RM	28.8	0.268	1344	2020
0680 070	2x95 RM	33.3	0.193	1824	2825
0680 071	2x120 RM	36.7	0.153	2304	3394
0680 072	2x150 RM	40.8	0.124	2880	4297
YnKYzo 0,6/1 kV					
0649 020	3x1,0 RE	8.3	18.1	28.8	110
0649 005	3x1,5 RE	8.8	12.1	43.2	132
0649 001	3x2,5 RE	9.6	7.41	72.0	170
0649 009	3x4 RE	11.5	4.61	115.2	252
0649 002	3x6 RE	12.6	3.08	172.8	326
0649 022	3x10 RE	14.8	1.83	288.0	495
0649 023	3x16 RE	16.7	1.15	460.8	697
0649 040	3x25 RM	21.0	0.727	720.0	1073
0649 057	3x35 RM	23.5	0.524	1008	1414
0649 058	3x50 SM	24.8	0.387	1440	1908

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
0649 064	3x70 SM	28.2	0.268	2016	2352
0649 059	3x95 SM	33.2	0.193	2736	3363
0649 060	3x120 SM	36.2	0.153	3456	3997
0649 061	3x150 SM	40.3	0.124	4320	4989
0649 062	3x185 SM	45.0	0.0991	5328	6220
0649 063	3x240 SM	50.5	0.0754	6912	8052
YnKYžo 0,6/1 kV					
0649 034	4x1,0 RE	8.9	18.1	38.4	129
0649 012	4x1,5 RE	9.5	12.1	57.6	157
0649 007	4x2,5 RE	10.4	7.41	96.0	205
0649 016	4x4 RE	12.5	4.61	153.6	309
0649 013	4x6 RE	13.7	3.08	230.4	403
0649 017	4x10 RE	16.1	1.83	384.0	615
0649 019	4x16 RE	18.3	1.15	614.4	877
0649 021	4x25 RM	23.3	0.727	960.0	1365
0649 018	4x35 RM	26.0	0.524	1344	1798
0649 065	4x50 SM	27.6	0.387	1920	2437
0649 066	4x70 SM	31.4	0.268	2688	3011
0649 042	4x95 SM	36.9	0.193	3648	4313
0649 044	4x120 SM	40.2	0.153	4608	5120
0649 067	4x150 SM	44.9	0.124	5760	6415
0649 068	4x185 SM	50.1	0.0991	7104	8001
0649 069	4x240 SM	56.3	0.0754	9216	10371

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
YnKYžo 0,6/1 kV					
0649 070	5x1,0 RE	9.6	18.1	48.0	153
0649 006	5x1,5 RE	10.3	12.1	72.0	188
0649 008	5x2,5 RE	11.3	7.41	120.0	249
0649 003	5x4 RE	13.6	4.61	192.0	372
0649 010	5x6 RE	15.0	3.08	288.0	489
0649 004	5x10 RE	17.6	1.83	480.0	746
0649 011	5x16 RE	20.1	1.15	768.0	1071
0649 014	5x25 RM	25.8	0.727	1200	1679
0649 015	5x35 RM	28.8	0.524	1680	2215
0649 043	5x50 SM	30.5	0.387	2400	3002
0649 046	5x70 SM	35.3	0.268	3360	3772
0649 045	5x95 SM	41.0	0.193	4560	5342
0649 049	5x120 SM	44.7	0.153	5760	6341
0649 047	5x150 SM	50.0	0.124	7200	7948
0649 048	5x185 SM	55.8	0.0991	8880	9909
0649 052	5x240 SM	62.6	0.0754	11520	12839

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