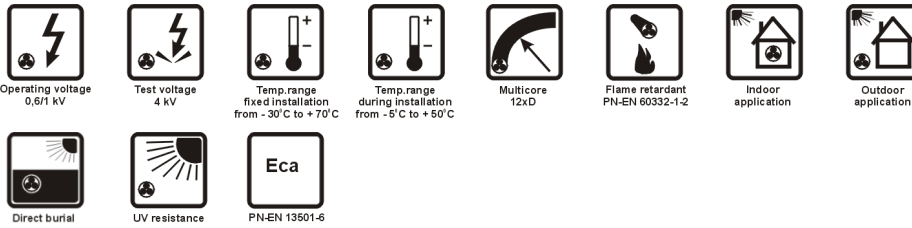


YKSYžo 0,6/1 kV, YKSY 0,6/1 kV



APPLICATIONS

YKSYžo 0,6/1 kV and YKSY 0,6/1 kV control cables are designed for control, protection and monitoring systems in power engineering, also for electric power distribution.

The cables are suitable for industrial applications, such as production plants or air-conditioning systems operating in dry and wet locations, also for outdoor installations, in cable ducts or for direct earth burial.

CONSTRUCTION

- bare annealed copper conductors meeting requirements of class 1 per PN-EN 60228 standard,
- PVC insulation, colour code insulation in each layer:
brown conductor as a counter, blue directional conductor and other conductors of any colour with the exception of green, yellow, brown and blue,
YKSYžo 0,6/1 kV green-yellow protective conductor is positioned as a counter conductor in the outer layer instead of conductor of brown,
- insulated conductors laid-up in a cable core,
- cable core wrapped in polyester tape,
- black PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

YKSYžo-O 0,6/1 kV and YKSY-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.

YnKSYžo 0,6/1 kV and YnKSY 0,6/1 kV - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

YKSwYžo 0,6/1 kV and YKSwY 0,6/1 kV - cables with inner covering extruded directly on a cable core, recommended for direct earth burial.

XnKSXSžo 0,6/1 kV and XnKSXS 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

Conductor cross-section	mm ²	1.0	1.5	2.5	4	6	10	16
DC conductor resistance at 20°C, maximum	Ω/km	18.1	12.1	7.41	4.61	3.08	1.83	1.15

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	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-90403, 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.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0353 002	7 x 1,0	10.4	67.2	174
0353 024	10 x 1,0	12.8	96.0	237
0353 047	12 x 1,0	13.2	115.2	268
0353 015	14 x 1,0	13.8	134.4	302
0353 034	16 x 1,0	14.5	153.6	340
0353 008	19 x 1,0	15.3	182.4	386
0353 035	21 x 1,0	16.7	201.6	454
0353 028	24 x 1,0	17.7	230.4	477
0353 025	30 x 1,0	18.7	288.0	571
0353 033	37 x 1,0	20.1	355.2	682
0353 027	48 x 1,0	23.1	460.8	874
0353 016	61 x 1,0	25.3	585.6	1086
0353 017	75 x 1,0	28.3	720.0	1326
0353 003	7 x 1,5	11.2	100.8	216
0353 012	10 x 1,5	13.8	144.0	296
0353 037	12 x 1,5	14.2	172.8	338
0353 005	14 x 1,5	14.9	201.6	383
0353 038	16 x 1,5	15.7	230.4	432
0353 054	17 x 1,5	16.5	244.8	472
0353 009	19 x 1,5	16.5	273.6	493
0353 040	21 x 1,5	18.1	302.4	578
0353 006	24 x 1,5	19.1	345.6	611

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0353 048	27 x 1,5	19.6	388.8	673
0353 013	30 x 1,5	20.2	432.0	736
0353 020	37 x 1,5	22.0	532.8	896
0353 026	40 x 1,5	23.6	576.0	1007
0353 055	42 x 1,5	23.6	604.8	1027
0353 018	48 x 1,5	25.3	691.2	1145
0353 056	52 x 1,5	26.0	748.8	1229
0353 057	56 x 1,5	26.7	806.4	1317
0353 046	61 x 1,5	27.5	878.4	1416
0353 046	75 x 1,5	30.8	1080	1731
0353 001	7 x 2,5	12.3	168.0	291
0353 004	10 x 2,5	15.3	240.0	403
0353 036	12 x 2,5	15.8	288.0	465
0353 011	14 x 2,5	16.6	336.0	529
0353 007	15 x 2,5	17.5	360.0	583
0353 042	16 x 2,5	17.5	384.0	600
0353 010	19 x 2,5	18.4	456.0	688
0353 029	24 x 2,5	21.4	576.0	857
0353 058	27 x 2,5	22.1	648.0	959
0353 032	30 x 2,5	22.9	720.0	1052
0353 021	37 x 2,5	24.6	888.0	1264
0353 051	48 x 2,5	28.5	1152	1639

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0353 019	52 x 2,5	29.3	1248	1762
0353 014	7 x 4	14.9	268.8	439
0353 030	10 x 4	18.8	384.0	612
0353 049	12 x 4	19.4	460.8	707
0353 045	14 x 4	20.4	537.6	808
0353 041	16 x 4	21.5	614.4	920
0353 059	17 x 4	22.9	652.8	1016
0353 060	19 x 4	22.9	729.6	1071

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0353 022	7 x 6	16.4	403.2	585
0353 023	10 x 6	20.8	576.0	819
0353 050	12 x 6	21.4	691.2	950
0353 044	14 x 6	22.8	806.4	1102
0353 031	7 x 10	18.8	672.0	873
0353 043	10 x 10	24.2	960.0	1241
0353 052	7 x 16	21.5	1075	1279
0353 053	10 x 16	28.2	1536	1836

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