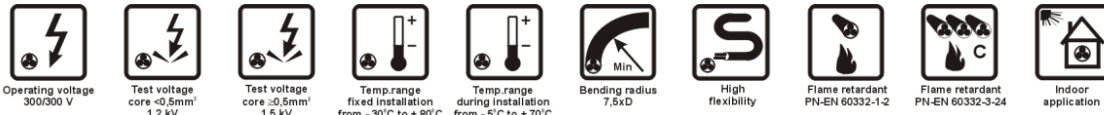


TECHNOKONTROL YnKSLY**CONTROL CABLES FOR INDUSTRIAL ELECTRONIC APPLICATIONS****APPLICATIONS**

TECHNOKONTROL YnKSLY are flame retardant control cables intended for control and instrumentation circuits, for signal, monitoring and data processing systems and for analogue or digital data transmission, all for industrial electronic applications.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables can also be used for power supply to small auxiliary devices on condition that current-carrying capacity limit (see our *Technical Guide*) is not exceeded.

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code in accordance with DIN VDE 47100,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLY-Nr - cables with black conductor insulation and white conductor numbers printed on it for identification, available for cross-section 0.5 mm² and bigger.

TECHNOKONTROL YnKSLY-O - 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.

TECHNOKONTROL YnvKSLY - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLH - 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.

TECHNOKONTROL IB-YnKSLY - specially designed intrinsically safe cable.

TECHNOKONTROL YnKSLY

CHARACTERISTICS

Conductor cross-section	mm ²	0.35	0.5	0.75	1	1.5	2.5
Operating voltage, peak value	V	350	500	500	500	500	500
Voltage test	V rms	1200	1500	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	55.4	39.0	26.0	19.5	13.3	7.98
Capacitance between conductors at 1 kHz, appr.	nF/km	100	100	120	120	130	130

Operating voltage U_o/U 300/300 V
Insulation resistance, minimum 20 MΩ·km
Inductance, approximate 0.7 mH/km
Impedance, approximate 80 Ω

Operating temperature range
for fixed installation from - 30 to + 80°C
for movable installation from - 5 to + 70°C
Minimum bending radius 7.5 x cable diameter
Cable combustibility flame retardant
Combustibility tests PN-EN 60332-1-2, IEC 60332-1-2
PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
Reference standards WT-TK-14

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.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0369 014	2 x 0,35	3.6	6.7	17
0369 015	3 x 0,35	3.8	10.1	22
0369 016	4 x 0,35	4.1	13.4	26
0369 017	5 x 0,35	4.5	16.8	33
0369 018	6 x 0,35	4.8	20.2	39
0369 019	7 x 0,35	4.8	23.5	41
0369 020	8 x 0,35	5.4	26.9	48
0369 021	10 x 0,35	6.3	33.6	59
0369 022	12 x 0,35	6.5	40.3	69
0369 023	14 x 0,35	6.9	47.0	78
0369 024	16 x 0,35	7.2	53.8	88
0369 025	19 x 0,35	7.6	63.8	100
0369 026	20 x 0,35	8.0	67.2	110
0369 027	21 x 0,35	8.0	70.6	110
0369 028	24 x 0,35	8.9	80.6	125
0369 029	25 x 0,35	9.1	84.0	134
0369 030	27 x 0,35	9.1	90.7	138
0369 031	30 x 0,35	9.8	100.8	161
0369 032	32 x 0,35	10.2	107.5	174
0369 033	33 x 0,35	10.2	110.9	176
0369 034	34 x 0,35	10.6	114.2	187
0369 035	37 x 0,35	10.6	124.3	192
0369 036	40 x 0,35	11.0	134.4	207
0369 037	42 x 0,35	11.3	141.1	221
0369 038	44 x 0,35	12.0	147.8	232
0369 039	48 x 0,35	12.2	161.3	249
0369 040	50 x 0,35	12.6	168.0	264
0369 041	52 x 0,35	12.6	174.7	268
0369 042	56 x 0,35	12.9	188.2	286
0369 043	61 x 0,35	13.3	205.0	307
0369 044	65 x 0,35	13.7	218.4	325
0369 045	75 x 0,35	15.0	252.0	379
0369 046	80 x 0,35	15.3	268.8	401

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0369 047	100 x 0,35	16.9	336.0	496
0369 048	2 x 0,5	4.1	9.6	22
0369 049	3 x 0,5	4.3	14.4	28
0369 050	4 x 0,5	4.7	19.2	35
0369 051	5 x 0,5	5.4	24.0	47
0369 052	6 x 0,5	5.9	28.8	56
0369 053	7 x 0,5	5.9	33.6	59
0369 054	8 x 0,5	6.3	38.4	68
0369 055	10 x 0,5	7.4	48.0	81
0369 056	12 x 0,5	7.6	57.6	94
0369 057	14 x 0,5	8.0	67.2	107
0369 058	16 x 0,5	8.5	76.8	122
0369 059	19 x 0,5	9.0	91.2	139
0369 060	20 x 0,5	9.8	96.0	162
0369 061	21 x 0,5	9.8	100.8	164
0369 062	24 x 0,5	10.9	115.2	184
0369 063	27 x 0,5	11.1	129.6	203
0369 064	30 x 0,5	11.5	144.0	222
0369 065	33 x 0,5	12.2	158.4	250
0369 066	37 x 0,5	12.7	177.6	274
0369 067	44 x 0,5	14.4	211.2	330
0369 068	48 x 0,5	14.6	230.4	354
0369 069	52 x 0,5	15.0	249.6	380
0369 070	56 x 0,5	15.5	268.8	407
0369 071	61 x 0,5	16.0	292.8	438
0369 072	65 x 0,5	16.4	312.0	466
0369 073	75 x 0,5	17.7	360.0	529
0369 074	80 x 0,5	18.3	384.0	570
0369 075	100 x 0,5	20.2	480.0	707
0369 001	2 x 0,75	4.5	14.4	27
0369 076	3 x 0,75	4.7	21.6	36
0369 077	4 x 0,75	5.4	28.8	48

TECHNOKONTROL YnKSLY

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0369 078	5 x 0,75	5.9	36.0	60
0369 079	7 x 0,75	6.4	50.4	76
0369 080	10 x 0,75	8.1	72.0	105
0369 081	12 x 0,75	8.4	86.4	122
0369 082	14 x 0,75	8.8	100.8	140
0369 083	16 x 0,75	9.7	115.2	169
0369 084	19 x 0,75	10.3	136.8	194
0369 085	24 x 0,75	12.2	172.8	247
0369 086	27 x 0,75	12.4	194.4	272
0369 087	30 x 0,75	12.9	216.0	299
0369 088	33 x 0,75	13.4	237.6	327
0369 089	37 x 0,75	14.1	266.4	367
0369 090	44 x 0,75	15.8	316.8	432
0369 091	48 x 0,75	16.1	345.6	466
0369 092	52 x 0,75	16.6	374.4	501
0369 093	56 x 0,75	17.1	403.2	537
0369 094	61 x 0,75	17.6	439.2	578
0369 095	65 x 0,75	18.3	468.0	625
0369 096	75 x 0,75	19.8	540.0	711
0369 097	80 x 0,75	20.2	576.0	754
0369 098	100 x 0,75	22.5	720.0	949
0369 011	2 x 1,0	4.8	19.2	33
0369 008	3 x 1,0	5.3	28.8	47
0369 012	4 x 1,0	5.8	38.4	59
0369 009	5 x 1,0	6.4	48.0	74
0369 013	7 x 1,0	6.9	67.2	94
0369 099	10 x 1,0	8.8	96.0	132
0369 100	12 x 1,0	9.1	115.2	154
0369 101	14 x 1,0	10.0	134.4	186
0369 102	16 x 1,0	10.6	153.6	212
0369 103	19 x 1,0	11.2	182.4	244
0369 104	24 x 1,0	13.3	230.4	311
0369 105	27 x 1,0	13.6	259.2	344
0369 106	30 x 1,0	14.3	288.0	385
0369 107	33 x 1,0	14.8	316.8	421
0369 108	37 x 1,0	15.4	355.2	464
0369 109	44 x 1,0	17.3	422.4	547
0369 110	48 x 1,0	17.6	460.8	591
0369 111	52 x 1,0	18.3	499.2	645
0369 112	56 x 1,0	18.8	537.6	692
0369 113	61 x 1,0	19.4	585.6	745
0369 114	65 x 1,0	20.0	624.0	794
0369 115	75 x 1,0	21.6	720.0	905
0369 116	80 x 1,0	22.1	768.0	960
0369 117	100 x 1,0	24.6	960.0	1207
0369 007	2 x 1,5	5.8	28.8	48
0369 003	3 x 1,5	6.1	43.2	64

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0369 118	4 x 1,5	6.7	57.6	82
0369 004	5 x 1,5	7.4	72.0	102
0369 119	7 x 1,5	8.0	100.8	132
0369 120	10 x 1,5	10.7	144.0	196
0369 121	12 x 1,5	11.1	172.8	228
0369 122	14 x 1,5	11.9	201.6	267
0369 123	16 x 1,5	12.5	230.4	304
0369 010	19 x 1,5	13.2	273.6	350
0369 124	24 x 1,5	15.7	345.6	446
0369 125	27 x 1,5	16.0	388.8	494
0369 126	30 x 1,5	16.6	432.0	543
0369 127	33 x 1,5	17.3	475.2	596
0369 128	37 x 1,5	18.2	532.8	667
0369 129	44 x 1,5	20.4	633.6	787
0369 130	48 x 1,5	20.8	691.2	851
0369 131	52 x 1,5	21.4	748.8	915
0369 132	56 x 1,5	22.0	806.4	984
0369 133	61 x 1,5	22.9	878.4	1073
0369 134	65 x 1,5	23.6	936.0	1143
0369 135	75 x 1,5	25.6	1080.0	1304
0369 136	80 x 1,5	26.1	1152.0	1384
0369 137	100 x 1,5	28.9	1440.0	1726
0369 138	2 x 2,5	6.6	48.0	68
0369 139	3 x 2,5	7.0	72.0	93
0369 140	4 x 2,5	7.7	96.0	119
0369 141	5 x 2,5	8.5	120.0	150
0369 142	7 x 2,5	9.7	168.0	205
0369 143	10 x 2,5	12.6	240.0	295
0369 144	12 x 2,5	13.1	288.0	344
0369 145	14 x 2,5	14.0	336.0	403
0369 146	16 x 2,5	14.7	384.0	459
0369 147	19 x 2,5	15.6	456.0	530
0369 148	24 x 2,5	18.5	576.0	673
0369 149	27 x 2,5	18.9	648.0	747
0369 150	30 x 2,5	19.6	720.0	823
0369 151	33 x 2,5	20.4	792.0	903
0369 152	37 x 2,5	21.2	888.0	998
0369 153	44 x 2,5	24.1	1056.0	1193
0369 154	48 x 2,5	24.5	1152.0	1291
0369 155	52 x 2,5	25.2	1248.0	1391
0369 156	56 x 2,5	26.0	1344.0	1496
0369 157	61 x 2,5	26.8	1464.0	1616
0369 158	65 x 2,5	27.6	1560.0	1723
0369 159	75 x 2,5	29.9	1800.0	1968
0369 160	80 x 2,5	30.8	1920.0	2107
0369 161	100 x 2,5	34.1	2400.0	2632

Other cross-sections and conductor counts available on request.

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