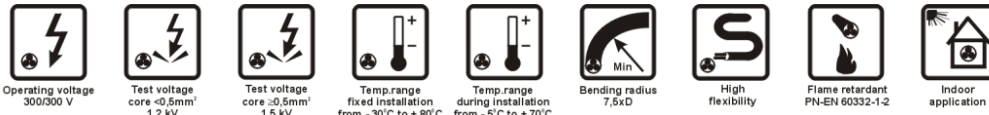


TECHNOKONTROL YKSLY**CONTROL CABLES FOR INDUSTRIAL ELECTRONIC APPLICATIONS****APPLICATIONS**

TECHNOKONTROL YKSLY are 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 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) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-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 YKSLY-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 YnKSLY - 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.

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

TECHNOKONTROL IB-YKSLY - specially designed intrinsically safe cable.

TECHNOKONTROL YKSLY

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 U₀/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
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
0283 060	2 x 0,35	3.6	6.7	17
0283 061	3 x 0,35	3.8	10.1	22
0283 062	4 x 0,35	4.1	13.4	26
0283 063	5 x 0,35	4.5	16.8	33
0283 002	6 x 0,35	4.8	20.2	39
0283 064	7 x 0,35	4.8	23.5	41
0283 065	8 x 0,35	5.4	26.9	48
0283 066	10 x 0,35	6.3	33.6	59
0283 067	12 x 0,35	6.5	40.3	69
0283 068	14 x 0,35	6.9	47.0	78
0283 069	16 x 0,35	7.2	53.8	88
0283 070	19 x 0,35	7.6	63.8	100
0283 071	20 x 0,35	8.0	67.2	110
0283 072	21 x 0,35	8.0	70.6	110
0283 073	24 x 0,35	8.9	80.6	125
0283 074	25 x 0,35	9.1	84.0	134
0283 075	27 x 0,35	9.1	90.7	138
0283 076	30 x 0,35	9.8	100.8	161
0283 077	32 x 0,35	10.2	107.5	174
0283 078	33 x 0,35	10.2	110.9	176
0283 079	34 x 0,35	10.6	114.2	187
0283 080	37 x 0,35	10.6	124.3	192
0283 081	40 x 0,35	11.0	134.4	207
0283 082	42 x 0,35	11.3	141.1	221
0283 083	44 x 0,35	12.0	147.8	232
0283 084	48 x 0,35	12.2	161.3	249
0283 085	50 x 0,35	12.6	168.0	264
0283 086	52 x 0,35	12.6	174.7	268
0283 087	56 x 0,35	12.9	188.2	286
0283 088	61 x 0,35	13.3	205.0	307
0283 089	65 x 0,35	13.7	218.4	325
0283 090	75 x 0,35	15.0	252.0	379
0283 091	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
0283 092	100 x 0,35	16.9	336.0	496
0283 046	2 x 0,5	4.1	9.6	22
0283 052	3 x 0,5	4.3	14.4	28
0283 045	4 x 0,5	4.7	19.2	35
0283 093	5 x 0,5	5.4	24.0	47
0283 094	6 x 0,5	5.9	28.8	56
0283 041	7 x 0,5	5.9	33.6	59
0283 095	8 x 0,5	6.3	38.4	68
0283 096	10 x 0,5	7.4	48.0	81
0283 047	12 x 0,5	7.6	57.6	94
0283 097	14 x 0,5	8.0	67.2	107
0283 098	16 x 0,5	8.5	76.8	122
0283 099	19 x 0,5	9.0	91.2	139
0283 044	20 x 0,5	9.8	96.0	162
0283 100	21 x 0,5	9.8	100.8	164
0283 057	24 x 0,5	10.9	115.2	184
0283 101	27 x 0,5	11.1	129.6	203
0283 102	30 x 0,5	11.5	144.0	222
0283 103	33 x 0,5	12.2	158.4	250
0283 104	37 x 0,5	12.7	177.6	274
0283 105	44 x 0,5	14.4	211.2	330
0283 106	48 x 0,5	14.6	230.4	354
0283 107	52 x 0,5	15.0	249.6	380
0283 108	56 x 0,5	15.5	268.8	407
0283 109	61 x 0,5	16.0	292.8	438
0283 110	65 x 0,5	16.4	312.0	466
0283 111	75 x 0,5	17.7	360.0	529
0283 112	80 x 0,5	18.3	384.0	570
0283 113	100 x 0,5	20.2	480.0	707
0283 006	2 x 0,75	4.5	14.4	27
0283 051	3 x 0,75	4.7	21.6	36
0283 007	4 x 0,75	5.4	28.8	48

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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
0283 056	5 x 0,75	5.9	36.0	60
0283 054	7 x 0,75	6.4	50.4	76
0283 008	10 x 0,75	8.1	72.0	105
0283 114	12 x 0,75	8.4	86.4	122
0283 009	14 x 0,75	8.8	100.8	140
0283 058	16 x 0,75	9.7	115.2	169
0283 010	19 x 0,75	10.3	136.8	194
0283 115	24 x 0,75	12.2	172.8	247
0283 116	27 x 0,75	12.4	194.4	272
0283 011	30 x 0,75	12.9	216.0	299
0283 117	33 x 0,75	13.4	237.6	327
0283 118	37 x 0,75	14.1	266.4	367
0283 119	44 x 0,75	15.8	316.8	432
0283 120	48 x 0,75	16.1	345.6	466
0283 121	52 x 0,75	16.6	374.4	501
0283 122	56 x 0,75	17.1	403.2	537
0283 123	61 x 0,75	17.6	439.2	578
0283 124	65 x 0,75	18.3	468.0	625
0283 125	75 x 0,75	19.8	540.0	711
0283 126	80 x 0,75	20.2	576.0	754
0283 127	100 x 0,75	22.5	720.0	949
0283 012	2 x 1,0	4.8	19.2	33
0283 013	3 x 1,0	5.3	28.8	47
0283 014	4 x 1,0	5.8	38.4	59
0283 015	5 x 1,0	6.4	48.0	74
0283 017	7 x 1,0	6.9	67.2	94
0283 019	10 x 1,0	8.8	96.0	132
0283 020	12 x 1,0	9.1	115.2	154
0283 021	14 x 1,0	10.0	134.4	186
0283 022	16 x 1,0	10.6	153.6	212
0283 128	19 x 1,0	11.2	182.4	244
0283 129	24 x 1,0	13.3	230.4	311
0283 130	27 x 1,0	13.6	259.2	344
0283 131	30 x 1,0	14.3	288.0	385
0283 132	33 x 1,0	14.8	316.8	421
0283 133	37 x 1,0	15.4	355.2	464
0283 134	44 x 1,0	17.3	422.4	547
0283 135	48 x 1,0	17.6	460.8	591
0283 136	52 x 1,0	18.3	499.2	645
0283 137	56 x 1,0	18.8	537.6	692
0283 138	61 x 1,0	19.4	585.6	745
0283 139	65 x 1,0	20.0	624.0	794
0283 140	75 x 1,0	21.6	720.0	905
0283 141	80 x 1,0	22.1	768.0	960
0283 142	100 x 1,0	24.6	960.0	1207
0283 024	2 x 1,5	5.8	28.8	48
0283 026	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
0283 027	4 x 1,5	6.7	57.6	82
0283 028	5 x 1,5	7.4	72.0	102
0283 030	7 x 1,5	8.0	100.8	132
0283 031	10 x 1,5	10.7	144.0	196
0283 032	12 x 1,5	11.1	172.8	228
0283 033	14 x 1,5	11.9	201.6	267
0283 143	16 x 1,5	12.5	230.4	304
0283 034	19 x 1,5	13.2	273.6	350
0283 035	24 x 1,5	15.7	345.6	446
0283 144	27 x 1,5	16.0	388.8	494
0283 036	30 x 1,5	16.6	432.0	543
0283 145	33 x 1,5	17.3	475.2	596
0283 146	37 x 1,5	18.2	532.8	667
0283 147	44 x 1,5	20.4	633.6	787
0283 148	48 x 1,5	20.8	691.2	851
0283 149	52 x 1,5	21.4	748.8	915
0283 150	56 x 1,5	22.0	806.4	984
0283 151	61 x 1,5	22.9	878.4	1073
0283 152	65 x 1,5	23.6	936.0	1143
0283 153	75 x 1,5	25.6	1080.0	1304
0283 154	80 x 1,5	26.1	1152.0	1384
0283 155	100 x 1,5	28.9	1440.0	1726
0283 042	2 x 2,5	6.6	48.0	68
0283 037	3 x 2,5	7.0	72.0	93
0283 039	4 x 2,5	7.7	96.0	119
0283 040	5 x 2,5	8.5	120.0	150
0283 156	7 x 2,5	9.7	168.0	205
0283 059	10 x 2,5	12.6	240.0	295
0283 157	12 x 2,5	13.1	288.0	344
0283 158	14 x 2,5	14.0	336.0	403
0283 159	16 x 2,5	14.7	384.0	459
0283 160	19 x 2,5	15.6	456.0	530
0283 161	24 x 2,5	18.5	576.0	673
0283 162	27 x 2,5	18.9	648.0	747
0283 163	30 x 2,5	19.6	720.0	823
0283 164	33 x 2,5	20.4	792.0	903
0283 165	37 x 2,5	21.2	888.0	998
0283 166	44 x 2,5	24.1	1056.0	1193
0283 167	48 x 2,5	24.5	1152.0	1291
0283 168	52 x 2,5	25.2	1248.0	1391
0283 169	56 x 2,5	26.0	1344.0	1496
0283 170	61 x 2,5	26.8	1464.0	1616
0283 171	65 x 2,5	27.6	1560.0	1723
0283 172	75 x 2,5	29.9	1800.0	1968
0283 173	80 x 2,5	30.8	1920.0	2107
0283 174	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.