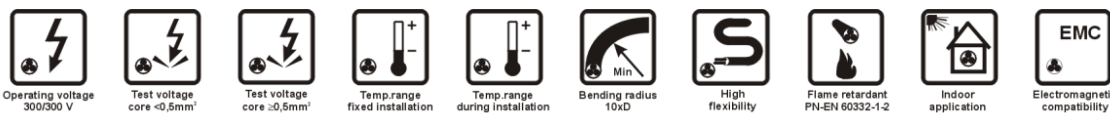


TECHNOKONTROL YKSLYekw**CONTROL CABLES FOR INDUSTRIAL ELECTRONIC APPLICATIONS****APPLICATIONS**

TECHNOKONTROL YKSLYekw are overall shielded 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 is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

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,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-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 YKSLYekw-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 YnKSLYekw - 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 HKSLHekw - 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 YvKSLYekw - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL IB-YKSLYekw - specially designed intrinsically safe cable.

TECHNOKONTROL YKSLYekw

CHARACTERISTICS

Conductor cross-section	mm ²	0.35	0.5	0.75	1.0	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	110	110	120	130	140	140

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 10 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
0311 055	2 x 0,35	3.7	9.1	21
0311 056	3 x 0,35	3.9	12.5	25
0311 039	4 x 0,35	4.2	15.8	30
0311 057	5 x 0,35	4.6	19.2	36
0311 036	6 x 0,35	4.9	22.6	42
0311 058	7 x 0,35	4.9	25.9	44
0311 059	8 x 0,35	5.5	29.3	52
0311 051	10 x 0,35	6.4	36.0	63
0311 060	12 x 0,35	6.6	42.7	73
0311 061	14 x 0,35	7.0	49.4	82
0311 062	16 x 0,35	7.3	56.2	92
0311 063	19 x 0,35	7.7	66.2	105
0311 064	20 x 0,35	8.1	69.6	114
0311 065	21 x 0,35	8.1	73.0	114
0311 066	24 x 0,35	9.0	83.0	130
0311 067	25 x 0,35	9.6	86.4	148
0311 068	27 x 0,35	9.6	93.1	152
0311 069	30 x 0,35	9.9	103.2	166
0311 070	32 x 0,35	10.3	109.9	179
0311 071	33 x 0,35	10.3	113.3	181
0311 072	34 x 0,35	10.7	116.6	192
0311 073	37 x 0,35	10.7	126.7	198
0311 074	40 x 0,35	11.1	136.8	212
0311 075	42 x 0,35	11.4	143.5	227
0311 076	44 x 0,35	12.1	150.2	238
0311 077	48 x 0,35	12.3	163.7	255
0311 078	50 x 0,35	12.7	170.4	269
0311 079	52 x 0,35	12.7	177.1	273
0311 080	56 x 0,35	13.0	190.6	292
0311 081	61 x 0,35	13.4	207.4	313
0311 001	2 x 0,5	4.2	12.0	26
0311 002	3 x 0,5	4.4	16.8	32
0311 003	4 x 0,5	4.8	21.6	39
0311 004	5 x 0,5	5.5	26.4	51
0311 082	6 x 0,5	6.0	31.2	60
0311 048	7 x 0,5	6.0	36.0	62

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
0311 005	8 x 0,5	6.4	40.8	72
0311 037	10 x 0,5	7.5	50.4	85
0311 038	12 x 0,5	7.7	60.0	98
0311 083	14 x 0,5	8.1	69.6	111
0311 027	16 x 0,5	8.6	79.2	126
0311 084	19 x 0,5	9.1	93.6	144
0311 028	20 x 0,5	9.9	98.4	167
0311 085	21 x 0,5	9.9	103.2	169
0311 086	24 x 0,5	11.0	117.6	190
0311 087	27 x 0,5	11.2	132.0	208
0311 088	30 x 0,5	11.8	146.4	234
0311 089	33 x 0,5	12.3	160.8	255
0311 090	37 x 0,5	12.8	180.0	280
0311 091	44 x 0,5	14.5	213.6	336
0311 092	48 x 0,5	14.7	232.8	361
0311 093	52 x 0,5	15.1	252.0	386
0311 007	2 x 0,75	4.6	19.2	33
0311 008	3 x 0,75	4.8	26.4	42
0311 009	4 x 0,75	5.5	33.6	54
0311 041	5 x 0,75	6.0	40.8	65
0311 094	7 x 0,75	6.5	55.2	82
0311 010	10 x 0,75	8.2	76.8	112
0311 095	12 x 0,75	8.5	91.2	129
0311 096	14 x 0,75	8.9	105.6	146
0311 029	16 x 0,75	9.8	120.0	176
0311 097	19 x 0,75	10.4	141.6	201
0311 031	24 x 0,75	12.3	177.6	255
0311 098	27 x 0,75	12.5	199.2	280
0311 099	30 x 0,75	13.0	220.8	306
0311 100	33 x 0,75	13.5	242.4	335
0311 101	37 x 0,75	14.2	271.2	375
0311 102	44 x 0,75	15.9	321.6	441
0311 103	48 x 0,75	16.2	350.4	475
0311 104	52 x 0,75	16.7	379.2	509
0311 011	2 x 1,0	4.9	24.0	39

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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
0311 012	3 x 1,0	5.4	33.6	53
0311 013	4 x 1,0	5.9	43.2	65
0311 014	5 x 1,0	6.5	52.8	80
0311 015	7 x 1,0	7.0	72.0	100
0311 032	10 x 1,0	8.9	100.8	138
0311 045	12 x 1,0	9.6	120.0	170
0311 016	14 x 1,0	10.1	139.2	193
0311 052	16 x 1,0	10.7	158.4	219
0311 024	19 x 1,0	11.3	187.2	251
0311 033	24 x 1,0	13.4	235.2	319
0311 105	27 x 1,0	13.7	264.0	352
0311 035	30 x 1,0	14.4	292.8	393
0311 106	33 x 1,0	14.9	321.6	430
0311 107	37 x 1,0	15.5	360.0	472
0311 108	44 x 1,0	17.4	427.2	556
0311 109	48 x 1,0	17.7	465.6	600
0311 110	52 x 1,0	18.4	504.0	654
0311 018	2 x 1,5	5.9	36.0	55
0311 019	3 x 1,5	6.2	50.4	72
0311 020	4 x 1,5	6.8	64.8	90
0311 021	5 x 1,5	7.5	79.2	110
0311 022	7 x 1,5	8.1	108.0	140
0311 023	10 x 1,5	10.8	151.2	205
0311 111	12 x 1,5	11.2	180.0	238
0311 053	14 x 1,5	12.0	208.8	277
0311 054	16 x 1,5	12.6	237.6	314

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
0311 112	19 x 1,5	13.3	280.8	360
0311 026	24 x 1,5	15.8	352.8	457
0311 113	27 x 1,5	16.1	396.0	504
0311 114	30 x 1,5	16.7	439.2	554
0311 115	33 x 1,5	17.4	482.4	607
0311 116	37 x 1,5	18.3	540.0	678
0311 117	44 x 1,5	20.5	640.8	799
0311 118	48 x 1,5	20.9	698.4	863
0311 119	52 x 1,5	21.5	756.0	928
0311 047	2 x 2,5	6.7	55.2	76
0311 043	3 x 2,5	7.1	79.2	101
0311 120	4 x 2,5	7.8	103.2	127
0311 121	5 x 2,5	8.6	127.2	159
0311 034	7 x 2,5	9.8	175.2	214
0311 122	10 x 2,5	12.7	247.2	304
0311 123	12 x 2,5	13.2	295.2	354
0311 124	14 x 2,5	14.1	343.2	413
0311 125	16 x 2,5	14.8	391.2	469
0311 126	19 x 2,5	15.7	463.2	540
0311 127	24 x 2,5	18.6	583.2	684
0311 128	27 x 2,5	19.0	655.2	758
0311 129	30 x 2,5	19.7	727.2	834
0311 130	33 x 2,5	20.5	799.2	915
0311 131	37 x 2,5	21.3	895.2	1011
0311 132	44 x 2,5	24.2	1063.2	1206

Other cross-sections and conductor counts available on request.

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