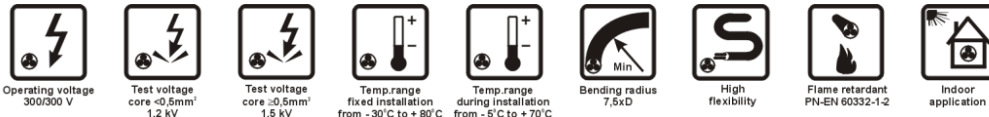


TECHNOKONTROL YKSLY-P**CONTROL CABLES FOR INDUSTRIAL ELECTRONIC APPLICATIONS****APPLICATIONS**

TECHNOKONTROL YKSLY-P are multipair 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.

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

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 according to PN-92/T-90321 compatible with IEC 60189-2,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

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

TECHNOKONTROL IB-YKSLY-P - specially designed intrinsically safe cable.

TECHNOKONTROL YKSLY-P

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 loop resistance at 20°C, maximum	Ω/km	110.8	78.0	52.0	39.0	26.6	15.96
Mutual capacitance at 1 kHz, approximate	nF/km	100	100	120	120	130	130

Operating voltage U ₀ /U	300/300 V	Operating temperature range	
Insulation resistance, minimum	20 MΩ·km	for fixed installation	from - 30 to + 80°C
Inductance, approximate	0.7 mH/km	for movable installation	from - 5 to + 70°C
Impedance, approximate	80 Ω	Minimum bending radius	7.5 x cable diameter
Capacitance unbalance, maximum	300 pF/100 m	Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	WT-TK-16

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0289 018	2 x 2 x 0,35	5.6	13.4	36
0289 019	3 x 2 x 0,35	5.9	20.2	42
0289 020	4 x 2 x 0,35	6.4	26.9	52
0289 021	5 x 2 x 0,35	7.1	33.6	63
0289 022	6 x 2 x 0,35	7.7	40.3	72
0289 023	7 x 2 x 0,35	7.7	47.0	81
0289 024	8 x 2 x 0,35	8.2	53.8	91
0289 025	10 x 2 x 0,35	9.8	67.2	121
0289 026	12 x 2 x 0,35	10.2	80.6	139
0289 027	14 x 2 x 0,35	10.9	94.1	158
0289 028	16 x 2 x 0,35	11.8	107.5	183
0289 029	18 x 2 x 0,35	12.4	121.0	202
0289 030	20 x 2 x 0,35	13.0	134.4	221
0289 031	24 x 2 x 0,35	14.2	161.3	266
0289 032	25 x 2 x 0,35	14.5	168.0	276
0289 033	30 x 2 x 0,35	15.7	201.6	323
0289 034	31 x 2 x 0,35	15.9	208.3	332
0289 035	33 x 2 x 0,35	16.3	221.8	350
0289 036	37 x 2 x 0,35	17.2	248.6	388
0289 037	40 x 2 x 0,35	17.8	268.8	415
0289 038	44 x 2 x 0,35	18.8	295.7	462
0289 039	48 x 2 x 0,35	19.5	322.6	498
0289 040	50 x 2 x 0,35	19.9	336.0	517
0289 041	52 x 2 x 0,35	20.2	349.4	535
0289 042	56 x 2 x 0,35	20.9	376.3	572
0289 002	2 x 2 x 0,5	6.5	19.2	48
0289 009	3 x 2 x 0,5	6.9	28.8	57
0289 001	4 x 2 x 0,5	7.6	38.4	71
0289 010	5 x 2 x 0,5	8.3	48.0	85
0289 043	6 x 2 x 0,5	9.1	57.6	99
0289 011	7 x 2 x 0,5	9.1	67.2	111
0289 044	8 x 2 x 0,5	10.1	76.8	135
0289 045	10 x 2 x 0,5	11.5	96.0	164
0289 012	12 x 2 x 0,5	12.3	115.2	197
0289 046	14 x 2 x 0,5	13.1	134.4	224
0289 008	16 x 2 x 0,5	14.1	153.6	259
0289 047	18 x 2 x 0,5	14.8	172.8	286

Product No.	Number of pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0289 048	20 x 2 x 0,5	15.5	192.0	313
0289 049	24 x 2 x 0,5	16.8	230.4	368
0289 050	25 x 2 x 0,5	17.1	240.0	381
0289 051	30 x 2 x 0,5	18.8	288.0	457
0289 052	31 x 2 x 0,5	19.0	297.6	470
0289 053	33 x 2 x 0,5	19.6	316.8	498
0289 054	37 x 2 x 0,5	20.6	355.2	550
0289 055	40 x 2 x 0,5	21.3	384.0	590
0289 056	44 x 2 x 0,5	22.4	422.4	654
0289 057	48 x 2 x 0,5	23.3	460.8	707
0289 058	50 x 2 x 0,5	23.8	480.0	731
0289 059	52 x 2 x 0,5	24.2	499.2	758
0289 060	56 x 2 x 0,5	25.0	537.6	810
0289 016	2 x 2 x 0,75	7.1	28.8	63
0289 017	3 x 2 x 0,75	7.5	43.2	72
0289 003	4 x 2 x 0,75	8.3	57.6	90
0289 061	5 x 2 x 0,75	9.6	72.0	119
0289 062	7 x 2 x 0,75	10.4	100.8	155
0289 063	10 x 2 x 0,75	12.9	144.0	220
0289 064	12 x 2 x 0,75	13.5	172.8	255
0289 065	14 x 2 x 0,75	14.6	201.6	299
0289 066	16 x 2 x 0,75	15.5	230.4	336
0289 067	24 x 2 x 0,75	18.7	345.6	491
0289 068	27 x 2 x 0,75	19.7	388.8	545
0289 069	30 x 2 x 0,75	20.7	432.0	600
0289 070	33 x 2 x 0,75	21.6	475.2	653
0289 071	37 x 2 x 0,75	22.9	532.8	736
0289 004	2 x 2 x 1,0	7.7	38.4	75
0289 005	3 x 2 x 1,0	8.2	57.6	89
0289 014	4 x 2 x 1,0	9.0	76.8	112
0289 006	5 x 2 x 1,0	10.4	96.0	147
0289 072	7 x 2 x 1,0	11.3	134.4	193
0289 007	10 x 2 x 1,0	14.2	192.0	282
0289 073	12 x 2 x 1,0	14.9	230.4	327
0289 074	14 x 2 x 1,0	15.9	268.8	375
0289 075	16 x 2 x 1,0	16.9	307.2	423

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Product No.	Number of pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0289 076	24 x 2 x 1,0	20.4	460.8	619
0289 077	27 x 2 x 1,0	21.5	518.4	689
0289 078	30 x 2 x 1,0	22.8	576.0	770
0289 079	33 x 2 x 1,0	23.8	633.6	838
0289 080	37 x 2 x 1,0	25.1	710.4	930
0289 013	2 x 2 x 1,5	9.0	57.6	98
0289 081	3 x 2 x 1,5	9.9	86.4	133
0289 082	4 x 2 x 1,5	10.9	115.2	168
0289 083	5 x 2 x 1,5	12.3	144.0	210
0289 084	7 x 2 x 1,5	13.4	201.6	278
0289 085	10 x 2 x 1,5	16.6	288.0	394
0289 086	12 x 2 x 1,5	17.4	345.6	460

Product No.	Number of pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0289 087	14 x 2 x 1,5	18.8	403.2	537
0289 088	16 x 2 x 1,5	20.0	460.8	607
0289 089	24 x 2 x 1,5	24.2	691.2	887
0289 090	2 x 2 x 2,5	10.8	96.0	153
0289 091	3 x 2 x 2,5	11.5	144.0	192
0289 092	4 x 2 x 2,5	12.9	192.0	252
0289 093	5 x 2 x 2,5	14.5	240.0	314
0289 094	7 x 2 x 2,5	15.8	336.0	418
0289 095	10 x 2 x 2,5	19.5	480.0	592
0289 096	12 x 2 x 2,5	20.5	576.0	694
0289 097	14 x 2 x 2,5	22.0	672.0	799
0289 098	16 x 2 x 2,5	23.5	768.0	912

Other cross-sections and pair counts available on request.

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