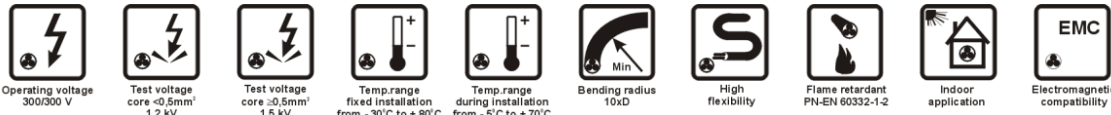


TECHNOKONTROL YKSLYekw-P**CONTROL CABLES FOR INDUSTRIAL ELECTRONIC APPLICATIONS****APPLICATIONS**

TECHNOKONTROL YKSLYekw-P are multipair 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.

Paired structure decreases mutual influence between signals transmitted along the cable.

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 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,
- 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-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 YnKSLYekw-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 HKSLHekw-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 IB-YKSLYekw-P - specially designed intrinsically safe cable.

TECHNOKONTROL YKSLYekw-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	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
 Capacitance unbalance, maximum 300 pF/100 m

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-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
0323 062	2 x 2 x 0,35	5.7	15.8	40
0323 063	3 x 2 x 0,35	6.0	22.6	46
0323 064	4 x 2 x 0,35	6.5	29.3	56
0323 065	5 x 2 x 0,35	7.2	36.0	67
0323 066	6 x 2 x 0,35	7.8	42.7	77
0323 067	7 x 2 x 0,35	7.8	49.4	85
0323 068	8 x 2 x 0,35	8.3	56.2	95
0323 069	10 x 2 x 0,35	9.9	69.6	126
0323 046	12 x 2 x 0,35	10.3	83.0	143
0323 070	14 x 2 x 0,35	11.0	96.5	163
0323 071	16 x 2 x 0,35	11.9	109.9	188
0323 072	18 x 2 x 0,35	12.5	123.4	208
0323 073	20 x 2 x 0,35	13.1	136.8	227
0323 074	24 x 2 x 0,35	14.3	163.7	272
0323 075	25 x 2 x 0,35	14.6	170.4	282
0323 076	30 x 2 x 0,35	15.8	204.0	329
0323 077	31 x 2 x 0,35	16.0	210.7	339
0323 078	33 x 2 x 0,35	16.4	224.2	357
0323 079	37 x 2 x 0,35	17.3	251.0	395
0323 080	40 x 2 x 0,35	17.9	271.2	422
0323 081	44 x 2 x 0,35	18.9	298.1	469
0323 082	48 x 2 x 0,35	19.6	325.0	506
0323 083	50 x 2 x 0,35	20.0	338.4	525
0323 084	52 x 2 x 0,35	20.3	351.8	543
0323 085	56 x 2 x 0,35	21.0	378.7	580
0323 005	2 x 2 x 0,5	6.6	21.6	52
0323 006	3 x 2 x 0,5	7.0	31.2	61
0323 007	4 x 2 x 0,5	7.7	40.8	75
0323 008	5 x 2 x 0,5	8.4	50.4	89
0323 009	6 x 2 x 0,5	9.6	60.0	113
0323 010	7 x 2 x 0,5	9.6	69.6	125
0323 011	8 x 2 x 0,5	10.2	79.2	140
0323 012	10 x 2 x 0,5	11.8	98.4	176
0323 013	12 x 2 x 0,5	12.4	117.6	202
0323 086	14 x 2 x 0,5	13.2	136.8	230
0323 015	16 x 2 x 0,5	14.2	156.0	265
0323 018	18 x 2 x 0,5	14.9	175.2	292

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
0323 058	20 x 2 x 0,5	15.6	194.4	320
0323 019	24 x 2 x 0,5	16.9	232.8	374
0323 087	25 x 2 x 0,5	17.2	242.4	388
0323 088	30 x 2 x 0,5	18.9	290.4	465
0323 020	31 x 2 x 0,5	19.1	300.0	478
0323 089	33 x 2 x 0,5	19.7	319.2	505
0323 090	37 x 2 x 0,5	20.7	357.6	559
0323 091	40 x 2 x 0,5	21.4	386.4	598
0323 092	44 x 2 x 0,5	22.5	424.8	662
0323 093	48 x 2 x 0,5	23.4	463.2	715
0323 094	50 x 2 x 0,5	23.9	482.4	740
0323 095	52 x 2 x 0,5	24.3	501.6	767
0323 096	56 x 2 x 0,5	25.1	540.0	819
0323 021	2 x 2 x 0,75	7.2	33.6	69
0323 022	3 x 2 x 0,75	7.6	48.0	78
0323 023	4 x 2 x 0,75	8.4	62.4	97
0323 097	5 x 2 x 0,75	9.7	76.8	126
0323 040	7 x 2 x 0,75	10.5	105.6	162
0323 038	10 x 2 x 0,75	13.0	148.8	228
0323 026	12 x 2 x 0,75	13.6	177.6	263
0323 027	14 x 2 x 0,75	14.7	206.4	307
0323 060	16 x 2 x 0,75	15.6	235.2	345
0323 061	24 x 2 x 0,75	18.8	350.4	500
0323 098	27 x 2 x 0,75	19.8	393.6	555
0323 099	30 x 2 x 0,75	20.8	436.8	610
0323 100	33 x 2 x 0,75	21.7	480.0	663
0323 101	37 x 2 x 0,75	23.0	537.6	746
0323 029	2 x 2 x 1,0	7.8	43.2	81
0323 030	3 x 2 x 1,0	8.3	62.4	95
0323 031	4 x 2 x 1,0	9.1	81.6	119
0323 044	5 x 2 x 1,0	10.5	100.8	154
0323 045	7 x 2 x 1,0	11.4	139.2	201
0323 033	10 x 2 x 1,0	14.3	196.8	290
0323 034	12 x 2 x 1,0	15.0	235.2	336
0323 102	14 x 2 x 1,0	16.0	273.6	384
0323 103	16 x 2 x 1,0	17.0	312.0	431

TECHNOKONTROL YKSLYekw-P

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
0323 043	24 x 2 x 1,0	20.5	465.6	629
0323 104	27 x 2 x 1,0	21.6	523.2	699
0323 105	30 x 2 x 1,0	22.9	580.8	781
0323 106	33 x 2 x 1,0	23.9	638.4	848
0323 107	37 x 2 x 1,0	25.2	715.2	941
0323 037	2 x 2 x 1,5	9.1	64.8	107
0323 059	3 x 2 x 1,5	10.0	93.6	142
0323 035	4 x 2 x 1,5	11.0	122.4	177
0323 057	5 x 2 x 1,5	12.4	151.2	220
0323 108	7 x 2 x 1,5	13.5	208.8	287
0323 036	10 x 2 x 1,5	16.7	295.2	404
0323 054	12 x 2 x 1,5	17.5	352.8	471

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
0323 109	14 x 2 x 1,5	18.9	410.4	549
0323 055	16 x 2 x 1,5	20.1	468.0	619
0323 056	24 x 2 x 1,5	24.3	698.4	900
0323 110	2 x 2 x 2,5	10.9	103.2	162
0323 111	3 x 2 x 2,5	11.8	151.2	207
0323 112	4 x 2 x 2,5	13.0	199.2	261
0323 113	5 x 2 x 2,5	14.6	247.2	324
0323 114	7 x 2 x 2,5	15.9	343.2	428
0323 041	10 x 2 x 2,5	19.6	487.2	603
0323 115	12 x 2 x 2,5	20.6	583.2	706
0323 116	14 x 2 x 2,5	22.1	679.2	811
0323 117	16 x 2 x 2,5	23.6	775.2	925

Other cross-sections and pair counts available on request.

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