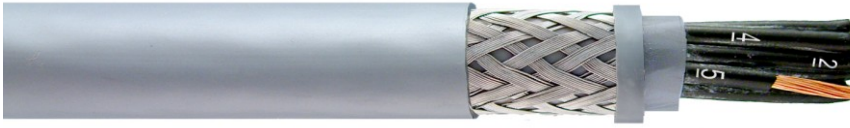


TECHNOTRONIK LiYYCY-Nr**CONTROL CABLES FOR INDUSTRIAL ELECTRONIC APPLICATIONS****APPLICATIONS**

TECHNOTRONIK LiYYCY-Nr 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.

To achieve high analogue or digital data transmission performance the cable is protected against external electromagnetic interferences by an overall shield.

Cable inner sheath offers enhanced protection against mechanical damage.

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,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers,
- inner PVC sheath,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOTRONIK LiYYCY-Nr-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.

TECHNOTRONIK LiYYC11Y-Nr - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOTRONIK LiHHCH-Nr - 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.

TECHNOTRONIK IB-LiYYCY-Nr - specially designed intrinsically safe cable.

TECHNOTRONIK LIYYCY-Nr

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5
Operating voltage, peak value	V	500	500	500	500
Voltage test	V rms	1500	1500	1500	1500
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3
Capacitance between conductors at 1 kHz, appr.	nF/km	110	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 10 x cable diameter
Cable combustibility flame retardant
Combustibility tests PN-EN 60332-1-2, IEC 60332-1-2
Reference standards DIN VDE 0812, DIN VDE 0814

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
0172 011	1 x 0,5	4.4	11.4	29
0172 012	2 x 0,5	6.1	19.3	49
0172 013	3 x 0,5	6.3	24.4	57
0172 014	4 x 0,5	6.7	30.0	66
0172 015	5 x 0,5	7.2	35.8	78
0172 016	6 x 0,5	7.8	45.4	93
0172 017	7 x 0,5	7.8	50.2	96
0172 018	8 x 0,5	8.2	56.1	107
0172 019	10 x 0,5	9.7	68.5	135
0172 020	12 x 0,5	9.9	79.3	149
0172 021	16 x 0,5	10.8	100.2	182
0172 022	24 x 0,5	13.0	143.7	252
0172 023	25 x 0,5	13.2	149.0	267
0172 024	27 x 0,5	13.2	158.6	272
0172 025	37 x 0,5	14.9	217.0	358
0172 026	40 x 0,5	15.3	232.6	382
0172 027	48 x 0,5	16.6	275.0	441
0172 028	1 x 0,75	4.5	15.3	33
0172 029	2 x 0,75	6.5	24.8	57
0172 030	3 x 0,75	6.7	32.4	66
0172 031	4 x 0,75	7.2	40.6	79
0172 032	5 x 0,75	7.8	52.6	97
0172 033	6 x 0,75	8.3	61.1	111
0172 034	7 x 0,75	8.3	68.3	115
0172 035	8 x 0,75	8.8	76.8	130
0172 036	10 x 0,75	10.4	94.3	163
0172 037	12 x 0,75	10.7	109.5	182
0172 038	16 x 0,75	11.8	140.6	230
0172 039	24 x 0,75	14.3	204.2	321
0172 040	25 x 0,75	14.5	211.9	339
0172 041	27 x 0,75	14.5	226.3	347

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
0172 042	36 x 0,75	16.1	302.6	447
0172 043	37 x 0,75	16.1	309.8	451
0172 044	1 x 1,0	4.7	17.6	37
0172 045	2 x 1,0	6.8	30.2	64
0172 001	3 x 1,0	7.1	40.4	77
0172 004	4 x 1,0	7.7	54.8	95
0172 005	5 x 1,0	8.3	65.9	113
0172 006	6 x 1,0	8.8	76.8	131
0172 046	7 x 1,0	8.8	86.4	136
0172 047	8 x 1,0	9.8	97.5	164
0172 007	10 x 1,0	11.1	120.4	194
0172 008	12 x 1,0	11.4	140.1	217
0172 048	16 x 1,0	12.7	181.3	278
0172 002	24 x 1,0	15.5	271.6	398
0172 009	25 x 1,0	15.8	282.1	422
0172 049	27 x 1,0	15.8	301.3	432
0172 050	1 x 1,5	5.3	22.5	46
0172 051	2 x 1,5	7.7	45.2	84
0172 052	3 x 1,5	8.0	60.3	102
0172 053	4 x 1,5	8.6	76.6	122
0172 054	5 x 1,5	9.7	92.5	155
0172 055	6 x 1,5	10.3	108.5	180
0172 056	7 x 1,5	10.3	122.9	188
0172 057	8 x 1,5	11.0	139.6	216
0172 058	10 x 1,5	12.8	172.0	262
0172 059	12 x 1,5	13.2	201.8	296
0172 060	16 x 1,5	14.6	262.5	379
0172 061	24 x 1,5	17.7	393.6	538
0172 062	25 x 1,5	21.7	470.4	827,0

Other cross-sections and conductor counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.