

TECHNOKONTROL YnKSLY-Nr 0,6/1 kV
TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YnKSLY-Nr 0,6/1 kV and **TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV** are flexible, flame retardant cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

The cables are designed to offer high flexibility combined with tensile strength.

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, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLY-Nr-O 0,6/1 kV and **TECHNOKONTROL YnKSLYżo-Nr-O 0,6/1 kV** - 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 YnvKSLY-Nr 0,6/1 kV and **TECHNOKONTROL YnvKSLYżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL HKSLH-Nr 0,6/1 kV and **TECHNOKONTROL HKSLHżo-Nr 0,6/1 kV** - 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 YnKSLY-Nr 0,6/1 kV **TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV**

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5	4.0
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95
Conductor cross-section	mm ²	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	3.30	1.91	1.21	0.780	0.554	0.386

Operating voltage U _o /U	0.6/1 kV	Operating temperature range	
Voltage test	3.5 kV rms	for fixed installation	from - 30 to + 80°C
Insulation resistance, minimum	20 MΩ·km	for movable installation	from - 5 to + 70°C
Conductor temperature limit		Minimum bending radius	7.5 x cable diameter
in work conditions	+ 70°C	Cable combustibility	flame retardant
at short-circuit	+ 160°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
			PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
		Reference standards	WT-TK-15

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
0813 031	2 x 0,75	6.4	14.4	49
0813 055	3 x 0,75	6.8	21.6	62
0813 026	4 x 0,75	7.4	28.8	76
0813 045	5 x 0,75	8.0	36.0	94
0813 056	6 x 0,75	8.7	43.2	112
0813 025	7 x 0,75	8.7	50.4	116
0813 057	8 x 0,75	9.4	57.6	135
0813 027	10 x 0,75	11.2	72.0	165
0813 058	12 x 0,75	11.6	86.4	190
0813 043	14 x 0,75	12.4	100.8	222
0813 046	16 x 0,75	13.1	115.2	252
0813 059	20 x 0,75	14.7	144.0	320
0813 060	21 x 0,75	14.7	151.2	324
0813 061	25 x 0,75	16.6	180.0	390
0813 062	32 x 0,75	17.9	230.4	472
0813 063	37 x 0,75	19.0	266.4	541
0813 047	40 x 0,75	19.7	288.0	584
0813 064	42 x 0,75	20.4	302.4	625
0813 065	50 x 0,75	22.2	360.0	723
0813 066	56 x 0,75	23.3	403.2	808
0813 067	61 x 0,75	24.0	439.2	866
0813 068	65 x 0,75	24.7	468.0	921
0813 069	75 x 0,75	26.7	540.0	1044
0813 070	80 x 0,75	27.3	576.0	1104
0813 071	100 x 0,75	30.0	720.0	1368
0813 016	2 x 1,0	6.8	19.2	56
0813 021	3 x 1,0	7.2	28.8	72
0813 018	4 x 1,0	7.8	38.4	89
0813 048	5 x 1,0	8.5	48.0	110
0813 049	6 x 1,0	9.3	57.6	131
0813 010	7 x 1,0	9.3	67.2	137

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
0813 032	8 x 1,0	10.2	76.8	165
0813 019	10 x 1,0	12.2	96.0	203
0813 033	12 x 1,0	12.5	115.2	232
0813 011	14 x 1,0	13.2	134.4	264
0813 050	16 x 1,0	13.9	153.6	300
0813 040	20 x 1,0	15.6	192.0	381
0813 041	21 x 1,0	15.6	201.6	387
0813 051	25 x 1,0	17.7	240.0	466
0813 052	32 x 1,0	19.5	307.2	588
0813 053	37 x 1,0	20.2	355.2	650
0813 028	40 x 1,0	21.0	384.0	703
0813 072	42 x 1,0	21.8	403.2	753
0813 073	50 x 1,0	24.2	480.0	897
0813 074	56 x 1,0	24.9	537.6	974
0813 075	61 x 1,0	25.6	585.6	1045
0813 076	65 x 1,0	26.4	624.0	1112
0813 077	75 x 1,0	28.5	720.0	1263
0813 078	80 x 1,0	29.1	768.0	1337
0813 079	100 x 1,0	32.3	960.0	1677
0813 002	2 x 1,5	7.3	28.8	68
0813 005	3 x 1,5	7.7	43.2	89
0813 020	4 x 1,5	8.5	57.6	111
0813 004	5 x 1,5	9.3	72.0	139
0813 042	6 x 1,5	10.3	86.4	171
0813 003	7 x 1,5	10.3	100.8	180
0813 054	8 x 1,5	11.1	115.2	210
0813 001	10 x 1,5	13.2	144.0	257
0813 034	12 x 1,5	13.7	172.8	297
0813 006	14 x 1,5	14.6	201.6	346
0813 035	16 x 1,5	15.4	230.4	393
0813 036	20 x 1,5	17.0	288.0	491

TECHNOKONTROL YnKSLY-Nr 0,6/1 kV **TECHNOKONTROL YnKSLYżo-Nr 0,6/1 kV**

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
0813 080	21 x 1,5	17.0	302.4	499
0813 037	25 x 1,5	19.8	360.0	621
0813 038	32 x 1,5	21.3	460.8	758
0813 039	37 x 1,5	22.1	532.8	843
0813 081	40 x 1,5	23.4	576.0	936
0813 082	42 x 1,5	24.2	604.8	999
0813 083	50 x 1,5	26.4	720.0	1160
0813 084	56 x 1,5	27.2	806.4	1264
0813 085	61 x 1,5	28.0	878.4	1360
0813 086	65 x 1,5	28.9	936.0	1448
0813 087	75 x 1,5	31.4	1080.0	1663
0813 088	80 x 1,5	32.1	1152.0	1763
0813 089	100 x 1,5	35.5	1440.0	2192
0813 024	2 x 2,5	8.2	48.0	89
0813 014	3 x 2,5	8.7	72.0	119
0813 015	4 x 2,5	9.5	96.0	149
0813 009	5 x 2,5	10.6	120.0	193
0813 090	6 x 2,5	11.6	144.0	231
0813 017	7 x 2,5	11.6	168.0	246
0813 091	8 x 2,5	12.7	192.0	293
0813 092	10 x 2,5	15.2	240.0	359
0813 093	12 x 2,5	15.7	288.0	417
0813 012	14 x 2,5	16.5	336.0	476
0813 094	16 x 2,5	17.4	384.0	542
0813 095	20 x 2,5	19.7	480.0	698
0813 096	21 x 2,5	19.7	504.0	712
0813 097	25 x 2,5	22.4	600.0	857
0813 098	32 x 2,5	24.6	768.0	1078
0813 099	37 x 2,5	25.5	888.0	1201
0813 100	40 x 2,5	26.5	960.0	1300
0813 101	42 x 2,5	27.5	1008.0	1387
0813 102	50 x 2,5	30.0	1200.0	1616
0813 103	56 x 2,5	31.0	1344.0	1768
0813 104	61 x 2,5	32.1	1464.0	1921
0813 105	65 x 2,5	33.1	1560.0	2047
0813 106	75 x 2,5	35.8	1800.0	2333

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
0813 107	80 x 2,5	36.6	1920.0	2475
0813 108	100 x 2,5	40.7	2400.0	3107
0813 013	2 x 4,0	9.6	76.8	127
0813 109	3 x 4,0	10.4	115.2	177
0813 110	4 x 4,0	11.4	153.6	225
0813 111	5 x 4,0	12.7	192.0	289
0813 112	7 x 4,0	13.8	268.8	372
0813 113	3 x 6,0	11.6	172.8	238
0813 114	4 x 6,0	12.9	230.4	311
0813 115	5 x 6,0	14.4	288.0	400
0813 116	7 x 6,0	15.8	403.2	518
0813 117	3 x 10,0	14.6	288.0	396
0813 118	4 x 10,0	16.0	384.0	509
0813 119	5 x 10,0	17.7	480.0	644
0813 120	7 x 10,0	19.8	672.0	864
0813 121	3 x 16,0	16.9	460.8	580
0813 122	4 x 16,0	19.1	614.4	772
0813 123	5 x 16,0	21.0	768.0	976
0813 124	7 x 16,0	23.4	1075.2	1309
0813 125	3 x 25,0	20.7	720.0	872
0813 126	4 x 25,0	23.3	960.0	1155
0813 127	5 x 25,0	25.7	1200.0	1463
0813 128	3 x 35,0	23.6	1008.0	1176
0813 129	4 x 35,0	26.0	1344.0	1528
0813 130	5 x 35,0	28.8	1680.0	1938
0813 131	3 x 50,0	28.9	1440.0	1691
0813 132	4 x 50,0	32.2	1920.0	2222
0813 133	5 x 50,0	35.7	2400.0	2830

Other cross-sections and conductor counts available on request.

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