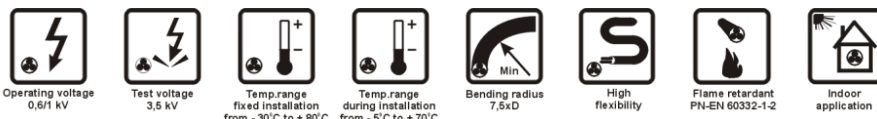


TECHNOKONTROL YKSLXS-Nr 0,6/1 kV
TECHNOKONTROL YKSLXSžo-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YKSLXS-Nr 0,6/1 kV and **TECHNOKONTROL YKSLXSžo-Nr 0,6/1 kV** are cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

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 cross-linked polyethylene (XLPE) insulation and white conductor number printed on it,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **YKSLXSžo-Nr 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXS-Nr-O 0,6/1 kV and **TECHNOKONTROL YKSLXSžo-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 HKSLXS-Nr 0,6/1 kV and **TECHNOKONTROL HKSLXSžo-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 YvKSLXS-Nr 0,6/1 kV and **TECHNOKONTROL YvKSLXSžo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLXS-Nr 0,6/1 kV TECHNOKONTROL YKSLXSžo-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
Capacitance between conductors at 1 kHz, appr.	nF/km	40	40	40	50	50	60
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
Capacitance between conductors at 1 kHz, appr.	nF/km	60	60	60	60	60	60

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	100 MΩ·km	for movable installation	from - 5 to + 70°C
Inductance, approximate	0.7 mH/km	Minimum bending radius	7.5 x cable diameter
Conductor temperature limit		Cable combustibility	flame retardant
in work conditions	+ 90°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
at short-circuit	+ 250°C		

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
0712 004	2 x 0,5	6.0	9.6	38
0712 005	3 x 0,5	6.3	14.4	46
0712 006	4 x 0,5	6.8	19.2	55
0712 007	5 x 0,5	7.4	24.0	68
0712 008	6 x 0,5	8.1	28.8	80
0712 009	7 x 0,5	8.1	33.6	81
0712 010	10 x 0,5	10.4	48.0	117
0712 011	12 x 0,5	10.7	57.6	131
0712 012	16 x 0,5	11.8	76.8	167
0712 013	20 x 0,5	13.3	96.0	214
0712 014	25 x 0,5	15.3	120.0	266
0712 015	32 x 0,5	16.4	153.6	317
0712 016	37 x 0,5	17.0	177.6	346
0712 017	44 x 0,5	19.5	211.2	425
0712 018	50 x 0,5	20.4	240.0	483
0712 019	56 x 0,5	21.0	268.8	519
0712 020	61 x 0,5	21.6	292.8	554
0712 021	65 x 0,5	22.2	312.0	587
0712 022	75 x 0,5	24.4	360.0	689
0712 023	80 x 0,5	25.0	384.0	727
0712 024	100 x 0,5	27.5	480.0	896
0712 025	2 x 0,75	6.3	14.4	44
0712 026	3 x 0,75	6.7	21.6	54
0712 027	4 x 0,75	7.3	28.8	67
0712 028	5 x 0,75	7.9	36.0	81
0712 029	6 x 0,75	8.6	43.2	97
0712 030	7 x 0,75	8.6	50.4	99
0712 031	10 x 0,75	11.1	72.0	142
0712 032	12 x 0,75	11.4	86.4	162

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
0712 033	16 x 0,75	12.9	115.2	214
0712 034	20 x 0,75	14.4	144.0	272
0712 035	25 x 0,75	16.4	180.0	331
0712 036	32 x 0,75	17.6	230.4	397
0712 037	37 x 0,75	18.3	266.4	436
0712 038	42 x 0,75	20.1	302.4	527
0712 039	50 x 0,75	21.9	360.0	607
0712 040	56 x 0,75	22.6	403.2	655
0712 041	61 x 0,75	23.6	439.2	724
0712 042	65 x 0,75	24.3	468.0	768
0712 043	75 x 0,75	26.3	540.0	870
0712 044	80 x 0,75	26.8	576.0	919
0712 045	100 x 0,75	29.6	720.0	1137
0712 046	2 x 1,0	6.7	19.2	50
0712 047	3 x 1,0	7.1	28.8	64
0712 048	4 x 1,0	7.7	38.4	78
0712 049	5 x 1,0	8.4	48.0	97
0712 050	6 x 1,0	9.2	57.6	116
0712 051	7 x 1,0	9.2	67.2	119
0712 052	10 x 1,0	11.8	96.0	171
0712 053	12 x 1,0	12.4	115.2	202
0712 054	16 x 1,0	13.7	153.6	259
0712 055	20 x 1,0	15.4	192.0	329
0712 056	25 x 1,0	17.5	240.0	402
0712 057	32 x 1,0	19.2	307.2	505
0712 058	37 x 1,0	20.0	355.2	556
0712 059	42 x 1,0	21.5	403.2	644
0712 060	50 x 1,0	23.8	480.0	768
0712 061	56 x 1,0	24.5	537.6	830

TECHNOKONTROL YKSLXS-Nr 0,6/1 kV **TECHNOKONTROL YKSLXSžo-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
0712 062	61 x 1,0	25.3	585.6	890
0712 063	65 x 1,0	26.0	624.0	944
0712 064	75 x 1,0	28.1	720.0	1071
0712 065	80 x 1,0	28.7	768.0	1133
0712 066	100 x 1,0	31.9	960.0	1421
0712 067	2 x 1,5	7.2	28.8	62
0712 002	3 x 1,5	7.7	43.2	80
0712 068	4 x 1,5	8.4	57.6	99
0712 003	5 x 1,5	9.1	72.0	123
0712 069	6 x 1,5	10.2	86.4	153
0712 070	7 x 1,5	10.2	100.8	160
0712 001	10 x 1,5	13.1	144.0	228
0712 071	12 x 1,5	13.5	172.8	262
0712 072	16 x 1,5	15.2	230.4	346
0712 073	20 x 1,5	16.8	288.0	430
0712 074	25 x 1,5	19.5	360.0	547
0712 075	32 x 1,5	21.0	460.8	664
0712 076	37 x 1,5	21.8	532.8	734
0712 077	42 x 1,5	23.9	604.8	875
0712 078	50 x 1,5	26.1	720.0	1013
0712 079	56 x 1,5	26.9	806.4	1100
0712 080	61 x 1,5	27.7	878.4	1181
0712 081	65 x 1,5	28.5	936.0	1254
0712 082	75 x 1,5	30.8	1080.0	1427
0712 083	80 x 1,5	31.7	1152.0	1528
0712 084	100 x 1,5	35.0	1440.0	1899
0712 085	2 x 2,5	8.1	48.0	83
0712 086	3 x 2,5	8.6	72.0	110
0712 087	4 x 2,5	9.4	96.0	138
0712 088	5 x 2,5	10.5	120.0	178
0712 089	6 x 2,5	11.5	144.0	214
0712 090	7 x 2,5	11.5	168.0	226
0712 091	10 x 2,5	15.0	240.0	330
0712 092	12 x 2,5	15.5	288.0	382
0712 093	16 x 2,5	17.2	384.0	496
0712 094	20 x 2,5	19.5	480.0	640
0712 095	25 x 2,5	22.2	600.0	786
0712 096	32 x 2,5	24.3	768.0	986
0712 097	37 x 2,5	25.3	888.0	1097

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
0712 098	42 x 2,5	27.2	1008.0	1268
0712 099	50 x 2,5	29.7	1200.0	1475
0712 100	56 x 2,5	30.6	1344.0	1609
0712 101	61 x 2,5	31.8	1464.0	1749
0712 102	65 x 2,5	32.7	1560.0	1859
0712 103	75 x 2,5	35.4	1800.0	2120
0712 104	80 x 2,5	36.2	1920.0	2249
0712 105	100 x 2,5	40.2	2400.0	2824
0712 106	2 x 4,0	9.1	76.8	112
0712 107	3 x 4,0	9.6	115.2	151
0712 108	4 x 4,0	10.8	153.6	198
0712 109	5 x 4,0	11.8	192.0	248
0712 110	7 x 4,0	13.1	268.8	326
0712 111	3 x 6,0	11.1	172.8	214
0712 112	4 x 6,0	12.4	230.4	280
0712 113	5 x 6,0	13.6	288.0	352
0712 114	7 x 6,0	15.0	403.2	463
0712 115	3 x 10,0	14.1	288.0	356
0712 116	4 x 10,0	15.5	384.0	458
0712 117	5 x 10,0	16.9	480.0	580
0712 118	7 x 10,0	19.0	672.0	778
0712 119	3 x 16,0	16.0	460.8	533
0712 120	4 x 16,0	17.6	614.4	690
0712 121	5 x 16,0	19.8	768.0	893
0712 122	7 x 16,0	21.7	1075.2	1176
0712 123	3 x 25,0	19.5	720.0	785
0712 124	4 x 25,0	21.6	960.0	1040
0712 125	5 x 25,0	23.7	1200.0	1318
0712 126	3 x 35,0	21.9	1008.0	1059
0712 127	4 x 35,0	24.1	1344.0	1376
0712 128	5 x 35,0	26.6	1680.0	1744
0712 129	3 x 50,0	26.7	1440.0	1522
0712 130	4 x 50,0	29.9	1920.0	2000
0712 131	5 x 50,0	32.8	2400.0	2547

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