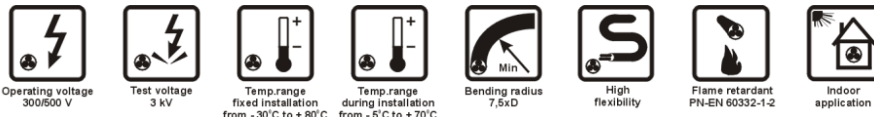


TECHNOKONTROL YKSLXS-Nr 300/500 V
TECHNOKONTROL YKSLXSžo-Nr 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YKSLXS-Nr 300/500 V and **TECHNOKONTROL YKSLXSžo-Nr 300/500 V** 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 300/500 V** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXS-Nr-O 300/500 V and **TECHNOKONTROL YKSLXSžo-Nr-O 300/500 V** - 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 300/500 V and **TECHNOKONTROL HKSLXSžo-Nr 300/500 V** - 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 300/500 V and **TECHNOKONTROL YvKSLXSžo-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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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	60	60	60	70	70	80
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	80	80	80	80	80	80

Operating voltage U _{o/U}	300/500 V	Operating temperature range	
Voltage test	3.0 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			
0895 004	2 x 0,5	5.1	9.6	29
0895 005	3 x 0,5	5.4	14.4	36
0895 006	4 x 0,5	5.9	19.2	44
0895 007	5 x 0,5	6.4	24.0	54
0895 008	6 x 0,5	7.0	28.8	65
0895 009	7 x 0,5	7.0	33.6	66
0895 010	10 x 0,5	8.8	48.0	91
0895 011	12 x 0,5	9.1	57.6	104
0895 012	16 x 0,5	10.5	76.8	144
0895 013	20 x 0,5	11.6	96.0	179
0895 014	25 x 0,5	13.4	120.0	225
0895 015	32 x 0,5	14.6	153.6	277
0895 016	37 x 0,5	15.2	177.6	304
0895 017	44 x 0,5	17.0	211.2	356
0895 018	2 x 0,75	5.5	14.4	35
0895 019	3 x 0,75	5.8	21.6	44
0895 020	4 x 0,75	6.3	28.8	54
0895 021	5 x 0,75	6.9	36.0	67
0895 022	6 x 0,75	7.5	43.2	80
0895 023	7 x 0,75	7.5	50.4	83
0895 024	10 x 0,75	9.9	72.0	125
0895 025	12 x 0,75	10.2	86.4	142
0895 026	16 x 0,75	11.3	115.2	183
0895 027	20 x 0,75	12.8	144.0	235
0895 028	25 x 0,75	14.7	180.0	294
0895 029	32 x 0,75	15.8	230.4	354
0895 003	34 x 0,75	16.4	244.8	382
0895 001	2 x 1,0	5.8	19.2	40
0895 030	3 x 1,0	6.2	28.8	52
0895 031	4 x 1,0	6.7	38.4	65
0895 032	5 x 1,0	7.4	48.0	82
0895 033	6 x 1,0	8.0	57.6	98

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²			
0895 034	7 x 1,0	8.0	67.2	102
0895 035	10 x 1,0	10.6	96.0	152
0895 036	12 x 1,0	11.0	115.2	175
0895 037	16 x 1,0	12.4	153.6	233
0895 038	20 x 1,0	13.7	192.0	289
0895 039	25 x 1,0	15.8	240.0	363
0895 040	2 x 1,5	6.4	28.8	51
0895 041	3 x 1,5	6.7	43.2	68
0895 042	4 x 1,5	7.4	57.6	85
0895 002	5 x 1,5	8.1	72.0	107
0895 043	6 x 1,5	8.8	86.4	128
0895 044	7 x 1,5	8.8	100.8	135
0895 045	10 x 1,5	11.7	144.0	201
0895 046	12 x 1,5	12.3	172.8	239
0895 047	16 x 1,5	13.7	230.4	310
0895 048	20 x 1,5	15.4	288.0	395
0895 049	25 x 1,5	17.5	360.0	484
0895 050	2 x 2,5	7.2	48.0	71
0895 051	3 x 2,5	7.7	72.0	96
0895 052	4 x 2,5	8.4	96.0	122
0895 053	5 x 2,5	9.3	120.0	154
0895 054	6 x 2,5	10.5	144.0	197
0895 055	7 x 2,5	10.5	168.0	209
0895 056	10 x 2,5	13.6	240.0	300
0895 057	12 x 2,5	14.3	288.0	356
0895 058	16 x 2,5	15.9	384.0	464
0895 059	20 x 2,5	17.6	480.0	579
0895 060	2 x 4,0	8.2	76.8	99
0895 061	3 x 4,0	8.7	115.2	136
0895 062	4 x 4,0	10.0	153.6	185
0895 063	5 x 4,0	11.0	192.0	232

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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
0895 064	7 x 4,0	12.2	268.8	307
0895 065	3 x 6,0	10.5	172.8	216
0895 066	4 x 6,0	11.6	230.4	278
0895 067	5 x 6,0	12.9	288.0	357
0895 068	7 x 6,0	14.4	403.2	474
0895 069	3 x 10,0	13.3	288.0	361
0895 070	4 x 10,0	14.9	384.0	475
0895 071	5 x 10,0	16.4	480.0	600
0895 072	7 x 10,0	18.0	672.0	790
0895 073	3 x 16,0	15.9	460.8	549
0895 074	4 x 16,0	17.5	614.4	713

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
0895 075	5 x 16,0	19.5	768.0	913
0895 076	7 x 16,0	21.4	1075.2	1211
0895 077	3 x 25,0	18.6	720.0	795
0895 078	4 x 25,0	20.6	960.0	1036
0895 079	5 x 25,0	22.9	1200.0	1325
0895 080	3 x 35,0	21.9	1008.0	1097
0895 081	4 x 35,0	24.5	1344.0	1447
0895 082	5 x 35,0	27.1	1680.0	1839
0895 083	3 x 50,0	27.5	1440.0	1608
0895 084	4 x 50,0	30.5	1920.0	2107
0895 085	5 x 50,0	34.0	2400.0	2707

Other cross-sections and conductor counts available on request.

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