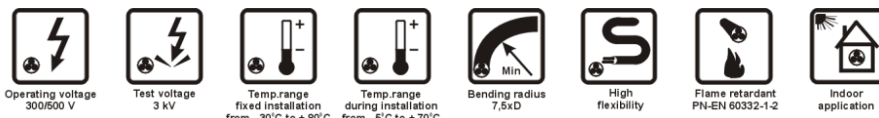


TECHNOKONTROL YKSLY 300/500 V
TECHNOKONTROL YKSLYżo 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YKSLY 300/500 V and **TECHNOKONTROL YKSLYżo 300/500 V** are flexible 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 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,
- PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our *Technical Guide*),
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOKONTROL YKSLYżo 300/500 V** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-O 300/500 V and **TECHNOKONTROL YKSLYżo-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 YnKSLY 300/500 V and **TECHNOKONTROL YnKSLYżo 300/500 V** - 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 HKSLH 300/500 V and **TECHNOKONTROL HKSLHżo 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 YvKSLY 300/500 V and **TECHNOKONTROL YvKSLYżo 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLY 300/500 V **TECHNOKONTROL YKSLYżo 300/500 V**

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	300/500 V	Operating temperature range	
Voltage test	3.0 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	+ 150°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		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
0285 020	2 x 0,5	4.7	9.6	28
0285 021	3 x 0,5	5.0	14.4	35
0285 022	4 x 0,5	5.4	19.2	43
0285 023	5 x 0,5	5.9	24.0	53
0285 024	6 x 0,5	6.4	28.8	62
0285 025	7 x 0,5	6.4	33.6	65
0285 026	8 x 0,5	6.9	38.4	76
0285 027	10 x 0,5	8.0	48.0	90
0285 028	12 x 0,5	8.3	57.6	104
0285 029	14 x 0,5	8.7	67.2	117
0285 030	16 x 0,5	9.2	76.8	134
0285 031	20 x 0,5	10.6	96.0	177
0285 032	21 x 0,5	10.6	100.8	180
0285 033	25 x 0,5	12.2	120.0	222
0285 034	32 x 0,5	13.1	153.6	268
0285 035	37 x 0,5	13.6	177.6	297
0285 036	42 x 0,5	14.8	201.6	350
0285 037	50 x 0,5	16.1	240.0	405
0285 038	56 x 0,5	16.6	268.8	440
0285 039	61 x 0,5	17.1	292.8	472
0285 015	2 x 0,75	5.1	14.4	34
0285 040	3 x 0,75	5.3	21.6	43
0285 041	4 x 0,75	5.8	28.8	53
0285 001	5 x 0,75	6.3	36.0	66
0285 042	6 x 0,75	6.9	43.2	79
0285 002	7 x 0,75	6.9	50.4	83
0285 043	8 x 0,75	7.4	57.6	97
0285 044	10 x 0,75	8.7	72.0	116
0285 045	12 x 0,75	9.0	86.4	134
0285 046	14 x 0,75	9.9	100.8	162
0285 047	16 x 0,75	10.4	115.2	184
0285 048	20 x 0,75	11.5	144.0	228

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
0285 049	21 x 0,75	11.5	151.2	233
0285 050	25 x 0,75	13.3	180.0	287
0285 051	32 x 0,75	14.5	230.4	357
0285 052	37 x 0,75	15.0	266.4	395
0285 053	42 x 0,75	16.1	302.4	456
0285 054	50 x 0,75	17.6	360.0	530
0285 055	2 x 1,0	5.4	19.2	40
0285 056	3 x 1,0	5.7	28.8	52
0285 057	4 x 1,0	6.3	38.4	65
0285 004	5 x 1,0	6.8	48.0	81
0285 058	6 x 1,0	7.4	57.6	97
0285 059	7 x 1,0	7.4	67.2	103
0285 060	8 x 1,0	8.0	76.8	119
0285 005	10 x 1,0	9.8	96.0	153
0285 061	12 x 1,0	10.2	115.2	177
0285 062	14 x 1,0	10.7	134.4	201
0285 063	16 x 1,0	11.2	153.6	228
0285 064	20 x 1,0	12.7	192.0	291
0285 065	21 x 1,0	12.7	201.6	297
0285 066	25 x 1,0	14.6	240.0	364
0285 067	32 x 1,0	15.7	307.2	445
0285 068	37 x 1,0	16.3	355.2	495
0285 069	42 x 1,0	17.5	403.2	571
0285 070	50 x 1,0	19.3	480.0	675
0285 006	2 x 1,5	6.0	28.8	51
0285 004	3 x 1,5	6.3	43.2	67
0285 008	4 x 1,5	6.9	57.6	85
0285 018	5 x 1,5	7.6	72.0	106
0285 071	6 x 1,5	8.2	86.4	127
0285 010	7 x 1,5	8.2	100.8	136
0285 072	8 x 1,5	8.9	115.2	159

TECHNOKONTROL YKSLY 300/500 V **TECHNOKONTROL YKSLYżo 300/500 V**

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
0285 011	10 x 1,5	10.9	144.0	201
0285 073	12 x 1,5	11.3	172.8	234
0285 074	14 x 1,5	12.1	201.6	273
0285 075	16 x 1,5	12.7	230.4	311
0285 076	20 x 1,5	14.3	288.0	395
0285 077	21 x 1,5	14.3	302.4	404
0285 078	25 x 1,5	16.2	360.0	484
0285 079	32 x 1,5	17.5	460.8	596
0285 080	37 x 1,5	18.4	532.8	676
0285 081	42 x 1,5	19.8	604.8	779
0285 082	50 x 1,5	21.6	720.0	909
0285 083	2 x 2,5	6.8	48.0	71
0285 013	3 x 2,5	7.2	72.0	96
0285 014	4 x 2,5	7.9	96.0	123
0285 084	5 x 2,5	8.7	120.0	154
0285 085	6 x 2,5	9.9	144.0	196
0285 086	7 x 2,5	9.9	168.0	210
0285 087	8 x 2,5	10.8	192.0	245
0285 088	10 x 2,5	12.8	240.0	301
0285 089	12 x 2,5	13.3	288.0	351
0285 090	14 x 2,5	14.2	336.0	410
0285 091	16 x 2,5	14.9	384.0	466
0285 092	20 x 2,5	16.6	480.0	583
0285 093	21 x 2,5	16.6	504.0	597
0285 094	25 x 2,5	19.1	600.0	729
0285 095	2 x 4,0	8.2	76.8	103
0285 096	3 x 4,0	8.7	115.2	143
0285 097	4 x 4,0	10.0	153.6	194

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
0285 098	5 x 4,0	11.0	192.0	243
0285 019	7 x 4,0	12.2	268.8	322
0285 099	3 x 6,0	10.5	172.8	216
0285 100	4 x 6,0	11.6	230.4	278
0285 101	5 x 6,0	12.9	288.0	357
0285 102	7 x 6,0	14.4	403.2	474
0285 103	3 x 10,0	13.3	288.0	361
0285 104	4 x 10,0	14.9	384.0	475
0285 105	5 x 10,0	16.4	480.0	600
0285 106	7 x 10,0	18.0	672.0	790
0285 107	3 x 16,0	15.9	460.8	549
0285 108	4 x 16,0	17.5	614.4	713
0285 109	5 x 16,0	19.5	768.0	913
0285 110	7 x 16,0	21.4	1075.2	1211
0285 111	3 x 25,0	18.6	720.0	795
0285 112	4 x 25,0	20.6	960.0	1036
0285 113	5 x 25,0	22.9	1200.0	1325
0285 114	3 x 35,0	21.9	1008.0	1097
0285 115	4 x 35,0	24.5	1344.0	1447
0285 116	5 x 35,0	27.1	1680.0	1839
0285 117	3 x 50,0	27.5	1440.0	1608
0285 118	4 x 50,0	30.5	1920.0	2107
0285 119	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.