

TECHNOKONTROL YKSLY-Nr 300/500 V
TECHNOKONTROL YKSLYżo-Nr 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES**Operating voltage
300/500 VTest voltage
3 kVTemp. range
fixed installation
from -30°C to +80°CTemp. range
during installation
from -5°C to +70°CBending radius
7,5xDHigh
flexibilityFlame retardant
PN-EN 60332-1-2Indoor
application**APPLICATIONS**

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

TECHNOKONTROL YKSLY-Nr 300/500 V **TECHNOKONTROL YKSLYżo-Nr 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
0288 037	2 x 0,5	4.7	9.6	28
0288 061	3 x 0,5	5.0	14.4	35
0288 076	4 x 0,5	5.4	19.2	43
0288 077	5 x 0,5	5.9	24.0	53
0288 034	6 x 0,5	6.4	28.8	62
0288 069	7 x 0,5	6.4	33.6	65
0288 078	8 x 0,5	6.9	38.4	76
0288 079	10 x 0,5	8.0	48.0	90
0288 035	12 x 0,5	8.3	57.6	104
0288 080	14 x 0,5	8.7	67.2	117
0288 081	16 x 0,5	9.2	76.8	134
0288 047	20 x 0,5	10.6	96.0	177
0288 082	21 x 0,5	10.6	100.8	180
0288 083	25 x 0,5	12.2	120.0	222
0288 084	32 x 0,5	13.1	153.6	268
0288 085	37 x 0,5	13.6	177.6	297
0288 086	42 x 0,5	14.8	201.6	350
0288 087	50 x 0,5	16.1	240.0	405
0288 088	56 x 0,5	16.6	268.8	440
0288 089	61 x 0,5	17.1	292.8	472
0288 036	2 x 0,75	5.1	14.4	34
0288 033	3 x 0,75	5.3	21.6	43
0288 001	4 x 0,75	5.8	28.8	53
0288 002	5 x 0,75	6.3	36.0	66
0288 090	6 x 0,75	6.9	43.2	79
0288 003	7 x 0,75	6.9	50.4	83
0288 091	8 x 0,75	7.4	57.6	97
0288 004	10 x 0,75	8.7	72.0	116
0288 038	12 x 0,75	9.0	86.4	134
0288 092	14 x 0,75	9.9	100.8	162
0288 065	16 x 0,75	10.4	115.2	184
0288 093	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
0288 094	21 x 0,75	11.5	151.2	233
0288 045	25 x 0,75	13.3	180.0	287
0288 095	32 x 0,75	14.5	230.4	357
0288 096	37 x 0,75	15.0	266.4	395
0288 097	42 x 0,75	16.1	302.4	456
0288 098	50 x 0,75	17.6	360.0	530
0288 006	2 x 1,0	5.4	19.2	40
0288 007	3 x 1,0	5.7	28.8	52
0288 008	4 x 1,0	6.3	38.4	65
0288 009	5 x 1,0	6.8	48.0	81
0288 099	6 x 1,0	7.4	57.6	97
0288 010	7 x 1,0	7.4	67.2	103
0288 011	8 x 1,0	8.0	76.8	119
0288 012	10 x 1,0	9.8	96.0	153
0288 013	12 x 1,0	10.2	115.2	177
0288 014	14 x 1,0	10.7	134.4	201
0288 015	16 x 1,0	11.2	153.6	228
0288 016	20 x 1,0	12.7	192.0	291
0288 064	21 x 1,0	12.7	201.6	297
0288 017	25 x 1,0	14.6	240.0	364
0288 070	32 x 1,0	15.7	307.2	445
0288 019	37 x 1,0	16.3	355.2	495
0288 032	42 x 1,0	17.5	403.2	571
0288 100	50 x 1,0	19.3	480.0	675
0288 020	2 x 1,5	6.0	28.8	51
0288 021	3 x 1,5	6.3	43.2	67
0288 022	4 x 1,5	6.9	57.6	85
0288 023	5 x 1,5	7.6	72.0	106
0288 024	6 x 1,5	8.2	86.4	127
0288 025	7 x 1,5	8.2	100.8	136
0288 044	8 x 1,5	8.9	115.2	159

TECHNOKONTROL YKSLY-Nr 300/500 V **TECHNOKONTROL YKSLYżo-Nr 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
0288 026	10 x 1,5	10.9	144.0	201
0288 039	12 x 1,5	11.3	172.8	234
0288 027	14 x 1,5	12.1	201.6	273
0288 040	16 x 1,5	12.7	230.4	311
0288 041	20 x 1,5	14.3	288.0	395
0288 101	21 x 1,5	14.3	302.4	404
0288 102	25 x 1,5	16.2	360.0	484
0288 042	32 x 1,5	17.5	460.8	596
0288 066	37 x 1,5	18.4	532.8	676
0288 103	42 x 1,5	19.8	604.8	779
0288 104	50 x 1,5	21.6	720.0	909
0288 031	2 x 2,5	6.8	48.0	71
0288 028	3 x 2,5	7.2	72.0	96
0288 029	4 x 2,5	7.9	96.0	123
0288 030	5 x 2,5	8.7	120.0	154
0288 105	6 x 2,5	9.9	144.0	196
0288 046	7 x 2,5	9.9	168.0	210
0288 057	8 x 2,5	10.8	192.0	245
0288 073	10 x 2,5	12.8	240.0	301
0288 055	12 x 2,5	13.3	288.0	351
0288 056	14 x 2,5	14.2	336.0	410
0288 106	16 x 2,5	14.9	384.0	466
0288 074	20 x 2,5	16.6	480.0	583
0288 107	21 x 2,5	16.6	504.0	597
0288 108	25 x 2,5	19.1	600.0	729
0288 109	2 x 4,0	8.2	76.8	103
0288 110	3 x 4,0	8.7	115.2	143
0288 072	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
0288 075	5 x 4,0	11.0	192.0	243
0288 111	7 x 4,0	12.2	268.8	322
0288 067	3 x 6,0	10.5	172.8	216
0288 112	4 x 6,0	11.6	230.4	278
0288 113	5 x 6,0	12.9	288.0	357
0288 114	7 x 6,0	14.4	403.2	474
0288 115	3 x 10,0	13.3	288.0	361
0288 116	4 x 10,0	14.9	384.0	475
0288 117	5 x 10,0	16.4	480.0	600
0288 118	7 x 10,0	18.0	672.0	790
0288 119	3 x 16,0	15.9	460.8	549
0288 120	4 x 16,0	17.5	614.4	713
0288 121	5 x 16,0	19.5	768.0	913
0288 122	7 x 16,0	21.4	1075.2	1211
0288 123	3 x 25,0	18.6	720.0	795
0288 124	4 x 25,0	20.6	960.0	1036
0288 125	5 x 25,0	22.9	1200.0	1325
0288 126	3 x 35,0	21.9	1008.0	1097
0288 127	4 x 35,0	24.5	1344.0	1447
0288 128	5 x 35,0	27.1	1680.0	1839
0288 129	3 x 50,0	27.5	1440.0	1608
0288 130	4 x 50,0	30.5	1920.0	2107
0288 131	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.