

TECHNOKONTROL YKSLYekw 300/500 V
TECHNOKONTROL YKSLYekwżo 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YKSLYekw 300/500 V and **TECHNOKONTROL YKSLYekwżo 300/500 V** are flexible, overall shielded 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 is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

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 YKSLYekwżo 300/500 V** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLYekw-O 300/500 V and **TECHNOKONTROL YKSLYekwżo-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 YnKSLYekw 300/500 V and **TECHNOKONTROL YnKSLYekwżo 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 YvKSLYekw 300/500 V and **TECHNOKONTROL YvKSLYekwżo 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLYekw 300/500 V **TECHNOKONTROL YKSLYekwżo 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 Uo/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	10 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
0313 003	2 x 0,5	4.8	12.0	32
0313 004	3 x 0,5	5.1	16.8	39
0313 045	4 x 0,5	5.5	21.6	47
0313 038	5 x 0,5	6.0	26.4	56
0313 046	6 x 0,5	6.5	31.2	67
0313 007	7 x 0,5	6.5	36.0	69
0313 032	8 x 0,5	7.0	40.8	80
0313 006	10 x 0,5	8.1	50.4	94
0313 042	12 x 0,5	8.4	60.0	108
0313 043	14 x 0,5	8.8	69.6	122
0313 047	16 x 0,5	9.3	79.2	138
0313 048	20 x 0,5	10.7	98.4	182
0313 049	21 x 0,5	10.7	103.2	185
0313 050	25 x 0,5	12.3	122.4	228
0313 051	32 x 0,5	13.2	156.0	274
0313 052	37 x 0,5	13.7	180.0	303
0313 053	42 x 0,5	14.9	204.0	356
0313 054	50 x 0,5	16.2	242.4	412
0313 055	56 x 0,5	16.7	271.2	447
0313 008	2 x 0,75	5.2	19.2	40
0313 056	3 x 0,75	5.4	26.4	49
0313 057	4 x 0,75	5.9	33.6	59
0313 009	5 x 0,75	6.4	40.8	72
0313 058	6 x 0,75	7.0	48.0	86
0313 059	7 x 0,75	7.0	55.2	90
0313 060	8 x 0,75	7.5	62.4	103
0313 001	10 x 0,75	8.8	76.8	122
0313 010	12 x 0,75	9.1	91.2	140
0313 002	14 x 0,75	10.0	105.6	170
0313 061	16 x 0,75	10.5	120.0	191
0313 062	20 x 0,75	11.6	148.8	236
0313 063	21 x 0,75	11.6	156.0	240

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
0313 064	25 x 0,75	13.4	184.8	295
0313 065	32 x 0,75	14.6	235.2	365
0313 066	37 x 0,75	15.1	271.2	404
0313 067	42 x 0,75	16.2	307.2	465
0313 068	50 x 0,75	17.7	364.8	539
0313 011	2 x 1,0	5.5	24.0	46
0313 014	3 x 1,0	5.8	33.6	58
0313 015	4 x 1,0	6.4	43.2	71
0313 039	5 x 1,0	6.9	52.8	87
0313 069	6 x 1,0	7.5	62.4	103
0313 028	7 x 1,0	7.5	72.0	109
0313 070	8 x 1,0	8.1	81.6	126
0313 016	10 x 1,0	9.9	100.8	160
0313 071	12 x 1,0	10.3	120.0	184
0313 072	14 x 1,0	10.8	139.2	208
0313 073	16 x 1,0	11.3	158.4	236
0313 031	20 x 1,0	12.8	196.8	299
0313 074	21 x 1,0	12.8	206.4	304
0313 075	25 x 1,0	14.7	244.8	373
0313 076	32 x 1,0	15.8	312.0	453
0313 077	37 x 1,0	16.4	360.0	504
0313 078	42 x 1,0	17.6	408.0	580
0313 079	50 x 1,0	19.4	484.8	684
0313 018	2 x 1,5	6.1	36.0	58
0313 019	3 x 1,5	6.4	50.4	75
0313 021	4 x 1,5	7.0	64.8	93
0313 080	5 x 1,5	7.7	79.2	114
0313 081	6 x 1,5	8.3	93.6	136
0313 022	7 x 1,5	8.3	108.0	145
0313 082	8 x 1,5	9.0	122.4	167
0313 023	10 x 1,5	11.0	151.2	211

TECHNOKONTROL YKSLYekw 300/500 V **TECHNOKONTROL YKSLYekwżo 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
0313 027	12 x 1,5	11.4	180.0	243
0313 083	14 x 1,5	12.2	208.8	283
0313 084	16 x 1,5	12.8	237.6	320
0313 085	20 x 1,5	14.4	295.2	405
0313 086	21 x 1,5	14.4	309.6	414
0313 044	25 x 1,5	16.3	367.2	495
0313 087	32 x 1,5	17.6	468.0	607
0313 088	37 x 1,5	18.5	540.0	687
0313 089	42 x 1,5	19.9	612.0	790
0313 090	50 x 1,5	21.7	727.2	921
0313 029	2 x 2,5	6.9	55.2	79
0313 091	3 x 2,5	7.3	79.2	104
0313 026	4 x 2,5	8.0	103.2	131
0313 092	5 x 2,5	8.8	127.2	163
0313 093	6 x 2,5	10.0	151.2	205
0313 094	7 x 2,5	10.0	175.2	219
0313 095	8 x 2,5	10.9	199.2	254
0313 096	10 x 2,5	12.9	247.2	311
0313 097	12 x 2,5	13.4	295.2	361
0313 098	14 x 2,5	14.3	343.2	420
0313 099	16 x 2,5	15.0	391.2	477
0313 100	2 x 4,0	8.3	86.4	114
0313 101	3 x 4,0	8.8	124.8	153
0313 102	4 x 4,0	10.1	163.2	205
0313 103	5 x 4,0	11.1	201.6	254
0313 104	7 x 4,0	12.3	278.4	334

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

0313 105	3 x 6,0	10.6	182.4	227
0313 106	4 x 6,0	11.7	240.0	289
0313 107	5 x 6,0	13.0	297.6	369
0313 108	7 x 6,0	14.5	412.8	486
0313 109	3 x 10,0	13.4	297.6	373
0313 110	4 x 10,0	15.0	393.6	488
0313 111	5 x 10,0	16.5	489.6	613
0313 112	7 x 10,0	18.1	681.6	804
0313 113	3 x 16,0	16.0	475.2	565
0313 114	4 x 16,0	17.6	628.8	730
0313 115	5 x 16,0	19.6	782.4	931
0313 116	7 x 16,0	21.5	1089.6	1229
0313 117	3 x 25,0	18.7	734.4	812
0313 118	4 x 25,0	20.7	974.4	1055
0313 119	5 x 25,0	23.0	1214.4	1344
0313 120	3 x 35,0	22.0	1022.4	1115
0313 121	4 x 35,0	24.6	1358.4	1466
0313 122	5 x 35,0	27.2	1694.4	1859
0313 123	3 x 50,0	27.6	1464.0	1636
0313 124	4 x 50,0	30.8	1944.0	2151
0313 125	5 x 50,0	34.1	2424.0	2736

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