

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

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

TECHNOKONTROL YKSLYekw-Nr 300/500 V **TECHNOKONTROL YKSLYekwżo-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	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
0318 005	2 x 0,5	4.8	12.0	32
0318 006	3 x 0,5	5.1	16.8	39
0318 064	4 x 0,5	5.5	21.6	47
0318 036	5 x 0,5	6.0	26.4	56
0318 100	6 x 0,5	6.5	31.2	67
0318 007	7 x 0,5	6.5	36.0	69
0318 066	8 x 0,5	7.0	40.8	80
0318 085	10 x 0,5	8.1	50.4	94
0318 088	12 x 0,5	8.4	60.0	108
0318 097	14 x 0,5	8.8	69.6	122
0318 067	16 x 0,5	9.3	79.2	138
0318 058	20 x 0,5	10.7	98.4	182
0318 101	21 x 0,5	10.7	103.2	185
0318 068	25 x 0,5	12.3	122.4	228
0318 102	32 x 0,5	13.2	156.0	274
0318 103	37 x 0,5	13.7	180.0	303
0318 106	42 x 0,5	14.9	204.0	356
0318 107	50 x 0,5	16.2	242.4	412
0318 108	56 x 0,5	16.7	271.2	447
0318 009	2 x 0,75	5.2	19.2	40
0318 010	3 x 0,75	5.4	26.4	49
0318 070	4 x 0,75	5.9	33.6	59
0318 011	5 x 0,75	6.4	40.8	72
0318 109	6 x 0,75	7.0	48.0	86
0318 039	7 x 0,75	7.0	55.2	90
0318 051	8 x 0,75	7.5	62.4	103
0318 003	10 x 0,75	8.8	76.8	122
0318 012	12 x 0,75	9.1	91.2	140
0318 004	14 x 0,75	10.0	105.6	170
0318 047	16 x 0,75	10.5	120.0	191
0318 053	20 x 0,75	11.6	148.8	236
0318 014	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
0318 015	25 x 0,75	13.4	184.8	295
0318 093	32 x 0,75	14.6	235.2	365
0318 060	37 x 0,75	15.1	271.2	404
0318 110	42 x 0,75	16.2	307.2	465
0318 111	50 x 0,75	17.7	364.8	539
0318 016	2 x 1,0	5.5	24.0	46
0318 017	3 x 1,0	5.8	33.6	58
0318 018	4 x 1,0	6.4	43.2	71
0318 001	5 x 1,0	6.9	52.8	87
0318 069	6 x 1,0	7.5	62.4	103
0318 019	7 x 1,0	7.5	72.0	109
0318 061	8 x 1,0	8.1	81.6	126
0318 020	10 x 1,0	9.9	100.8	160
0318 021	12 x 1,0	10.3	120.0	184
0318 022	14 x 1,0	10.8	139.2	208
0318 037	16 x 1,0	11.3	158.4	236
0318 079	20 x 1,0	12.8	196.8	299
0318 112	21 x 1,0	12.8	206.4	304
0318 046	25 x 1,0	14.7	244.8	373
0318 077	32 x 1,0	15.8	312.0	453
0318 113	37 x 1,0	16.4	360.0	504
0318 114	42 x 1,0	17.6	408.0	580
0318 115	50 x 1,0	19.4	484.8	684
0318 026	2 x 1,5	6.1	36.0	58
0318 027	3 x 1,5	6.4	50.4	75
0318 028	4 x 1,5	7.0	64.8	93
0318 029	5 x 1,5	7.7	79.2	114
0318 073	6 x 1,5	8.3	93.6	136
0318 030	7 x 1,5	8.3	108.0	145
0318 055	8 x 1,5	9.0	122.4	167
0318 031	10 x 1,5	11.0	151.2	211

TECHNOKONTROL YKSLYekw-Nr 300/500 V **TECHNOKONTROL YKSLYekwżo-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
0318 002	12 x 1,5	11.4	180.0	243
0318 032	14 x 1,5	12.2	208.8	283
0318 044	16 x 1,5	12.8	237.6	320
0318 050	20 x 1,5	14.4	295.2	405
0318 045	21 x 1,5	14.4	309.6	414
0318 116	25 x 1,5	16.3	367.2	495
0318 082	32 x 1,5	17.6	468.0	607
0318 074	37 x 1,5	18.5	540.0	687
0318 117	42 x 1,5	19.9	612.0	790
0318 042	50 x 1,5	21.7	727.2	921
0318 035	2 x 2,5	6.9	55.2	79
0318 062	3 x 2,5	7.3	79.2	104
0318 054	4 x 2,5	8.0	103.2	131
0318 059	5 x 2,5	8.8	127.2	163
0318 118	6 x 2,5	10.0	151.2	205
0318 094	7 x 2,5	10.0	175.2	219
0318 104	8 x 2,5	10.9	199.2	254
0318 081	10 x 2,5	12.9	247.2	311
0318 078	12 x 2,5	13.4	295.2	361
0318 049	14 x 2,5	14.3	343.2	420
0318 119	16 x 2,5	15.0	391.2	477
0318 120	2 x 4,0	8.3	86.4	114
0318 121	3 x 4,0	8.8	124.8	153
0318 105	4 x 4,0	10.1	163.2	205
0318 122	5 x 4,0	11.1	201.6	254
0318 123	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

0318 124	3 x 6,0	10.6	182.4	227
0318 125	4 x 6,0	11.7	240.0	289
0318 126	5 x 6,0	13.0	297.6	369
0318 127	7 x 6,0	14.5	412.8	486
0318 128	3 x 10,0	13.4	297.6	373
0318 129	4 x 10,0	15.0	393.6	488
0318 130	5 x 10,0	16.5	489.6	613
0318 131	7 x 10,0	18.1	681.6	804
0318 132	3 x 16,0	16.0	475.2	565
0318 133	4 x 16,0	17.6	628.8	730
0318 134	5 x 16,0	19.6	782.4	931
0318 135	7 x 16,0	21.5	1089.6	1229
0318 136	3 x 25,0	18.7	734.4	812
0318 137	4 x 25,0	20.7	974.4	1055
0318 138	5 x 25,0	23.0	1214.4	1344
0318 139	3 x 35,0	22.0	1022.4	1115
0318 140	4 x 35,0	24.6	1358.4	1466
0318 141	5 x 35,0	27.2	1694.4	1859
0318 142	3 x 50,0	27.6	1464.0	1636
0318 143	4 x 50,0	30.8	1944.0	2151
0318 144	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.