

TECHNOKONTROL YnKSLYekw-Nr 300/500 V
TECHNOKONTROL YnKSLYekwżo-Nr 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YnKSLYekw-Nr 300/500 V and **TECHNOKONTROL YnKSLYekwżo-Nr 300/500 V** are flexible, overall shielded, flame retardant 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 sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

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 YnKSLYekwżo-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) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

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

TECHNOKONTROL YnKSLYekw-Nr 300/500 V TECHNOKONTROL YnKSLYekwżo-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 ₀ /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 PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
		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
0375 016	2 x 0,5	4.8	12.0	32
0375 013	3 x 0,5	5.1	16.8	39
0375 040	4 x 0,5	5.5	21.6	47
0375 055	5 x 0,5	6.0	26.4	56
0375 025	6 x 0,5	6.5	31.2	67
0375 056	7 x 0,5	6.5	36.0	69
0375 057	8 x 0,5	7.0	40.8	80
0375 014	10 x 0,5	8.1	50.4	94
0375 054	12 x 0,5	8.4	60.0	108
0375 058	14 x 0,5	8.8	69.6	122
0375 048	16 x 0,5	9.3	79.2	138
0375 059	20 x 0,5	10.7	98.4	182
0375 060	21 x 0,5	10.7	103.2	185
0375 061	25 x 0,5	12.3	122.4	228
0375 062	32 x 0,5	13.2	156.0	274
0375 063	37 x 0,5	13.7	180.0	303
0375 064	42 x 0,5	14.9	204.0	356
0375 065	50 x 0,5	16.2	242.4	412
0375 066	56 x 0,5	16.7	271.2	447
0375 001	2 x 0,75	5.2	19.2	40
0375 024	3 x 0,75	5.4	26.4	49
0375 002	4 x 0,75	5.9	33.6	59
0375 044	5 x 0,75	6.4	40.8	72
0375 021	6 x 0,75	7.0	48.0	86
0375 028	7 x 0,75	7.0	55.2	90
0375 029	8 x 0,75	7.5	62.4	103
0375 045	10 x 0,75	8.8	76.8	122
0375 022	12 x 0,75	9.1	91.2	140
0375 023	14 x 0,75	10.0	105.6	170
0375 003	16 x 0,75	10.5	120.0	191
0375 053	20 x 0,75	11.6	148.8	236
0375 067	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
0375 068	25 x 0,75	13.4	184.8	295
0375 049	32 x 0,75	14.6	235.2	365
0375 004	37 x 0,75	15.1	271.2	404
0375 069	42 x 0,75	16.2	307.2	465
0375 070	50 x 0,75	17.7	364.8	539
0375 005	2 x 1,0	5.5	24.0	46
0375 008	3 x 1,0	5.8	33.6	58
0375 006	4 x 1,0	6.4	43.2	71
0375 007	5 x 1,0	6.9	52.8	87
0375 026	6 x 1,0	7.5	62.4	103
0375 011	7 x 1,0	7.5	72.0	109
0375 031	8 x 1,0	8.1	81.6	126
0375 012	10 x 1,0	9.9	100.8	160
0375 009	12 x 1,0	10.3	120.0	184
0375 010	14 x 1,0	10.8	139.2	208
0375 030	16 x 1,0	11.3	158.4	236
0375 032	20 x 1,0	12.8	196.8	299
0375 071	21 x 1,0	12.8	206.4	304
0375 035	25 x 1,0	14.7	244.8	373
0375 034	32 x 1,0	15.8	312.0	453
0375 042	37 x 1,0	16.4	360.0	504
0375 072	42 x 1,0	17.6	408.0	580
0375 073	50 x 1,0	19.4	484.8	684
0375 018	2 x 1,5	6.1	36.0	58
0375 015	3 x 1,5	6.4	50.4	75
0375 037	4 x 1,5	7.0	64.8	93
0375 020	5 x 1,5	7.7	79.2	114
0375 074	6 x 1,5	8.3	93.6	136
0375 017	7 x 1,5	8.3	108.0	145
0375 051	8 x 1,5	9.0	122.4	167
0375 039	10 x 1,5	11.0	151.2	211

TECHNOKONTROL YnKSLYekw-Nr 300/500 V **TECHNOKONTROL YnKSLYekwżo-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
0375 036	12 x 1,5	11.4	180.0	243
0375 075	14 x 1,5	12.2	208.8	283
0375 076	16 x 1,5	12.8	237.6	320
0375 077	20 x 1,5	14.4	295.2	405
0375 078	21 x 1,5	14.4	309.6	414
0375 079	25 x 1,5	16.3	367.2	495
0375 080	32 x 1,5	17.6	468.0	607
0375 081	37 x 1,5	18.5	540.0	687
0375 082	42 x 1,5	19.9	612.0	790
0375 083	50 x 1,5	21.7	727.2	921
0375 019	2 x 2,5	6.9	55.2	79
0375 046	3 x 2,5	7.3	79.2	104
0375 038	4 x 2,5	8.0	103.2	131
0375 084	5 x 2,5	8.8	127.2	163
0375 085	6 x 2,5	10.0	151.2	205
0375 086	7 x 2,5	10.0	175.2	219
0375 087	8 x 2,5	10.9	199.2	254
0375 088	10 x 2,5	12.9	247.2	311
0375 089	12 x 2,5	13.4	295.2	361
0375 090	14 x 2,5	14.3	343.2	420
0375 091	16 x 2,5	15.0	391.2	477
0375 092	2 x 4,0	8.3	86.4	114
0375 093	3 x 4,0	8.8	124.8	153
0375 094	4 x 4,0	10.1	163.2	205
0375 095	5 x 4,0	11.1	201.6	254
0375 096	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

0375 097	3 x 6,0	10.6	182.4	227
0375 098	4 x 6,0	11.7	240.0	289
0375 099	5 x 6,0	13.0	297.6	369
0375 100	7 x 6,0	14.5	412.8	486
0375 101	3 x 10,0	13.4	297.6	373
0375 102	4 x 10,0	15.0	393.6	488
0375 103	5 x 10,0	16.5	489.6	613
0375 104	7 x 10,0	18.1	681.6	804
0375 105	3 x 16,0	16.0	475.2	565
0375 106	4 x 16,0	17.6	628.8	730
0375 107	5 x 16,0	19.6	782.4	931
0375 108	7 x 16,0	21.5	1089.6	1229
0375 109	3 x 25,0	18.7	734.4	812
0375 110	4 x 25,0	20.7	974.4	1055
0375 111	5 x 25,0	23.0	1214.4	1344
0375 112	3 x 35,0	22.0	1022.4	1115
0375 113	4 x 35,0	24.6	1358.4	1466
0375 114	5 x 35,0	27.2	1694.4	1859
0375 115	3 x 50,0	27.6	1464.0	1636
0375 116	4 x 50,0	30.8	1944.0	2151
0375 117	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.