

TECHNOKONTROL YnKSLYekw-Nr 0,6/1 kV
TECHNOKONTROL YnKSLYekwżo-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YnKSLYekw-Nr 0,6/1 kV and **TECHNOKONTROL YnKSLYekwżo-Nr 0,6/1 kV** 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 0,6/1 kV** 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 0,6/1 kV and **TECHNOKONTROL YnKSLYekwżo-Nr-O 0,6/1 kV** - 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 0,6/1 kV and **TECHNOKONTROL YnvKSLYekwżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YnKSLYekw-Nr 0,6/1 kV **TECHNOKONTROL YnKSLYekwżo-Nr 0,6/1 kV**

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	0.6/1 kV	Operating temperature range	
Voltage test	3.5 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	+ 160°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
0536 060	2 x 0,5	6.2	12.0	46
0536 002	3 x 0,5	6.5	16.8	56
0536 061	4 x 0,5	7.0	21.6	68
0536 008	5 x 0,5	7.7	26.4	83
0536 062	6 x 0,5	8.3	31.2	98
0536 063	7 x 0,5	8.3	36.0	101
0536 064	8 x 0,5	8.9	40.8	116
0536 044	10 x 0,5	10.6	50.4	142
0536 065	12 x 0,5	10.9	60.0	161
0536 066	14 x 0,5	11.5	69.6	182
0536 067	16 x 0,5	12.3	79.2	212
0536 068	20 x 0,5	13.6	98.4	261
0536 069	21 x 0,5	13.6	103.2	264
0536 070	25 x 0,5	15.6	122.4	326
0536 071	32 x 0,5	16.8	156.0	391
0536 072	37 x 0,5	17.4	180.0	430
0536 073	42 x 0,5	19.1	204.0	516
0536 074	50 x 0,5	20.8	242.4	596
0536 075	56 x 0,5	21.4	271.2	643
0536 076	61 x 0,5	22.1	295.2	689
0536 006	2 x 0,75	6.5	19.2	55
0536 034	3 x 0,75	6.9	26.4	68
0536 020	4 x 0,75	7.5	33.6	82
0536 077	5 x 0,75	8.1	40.8	100
0536 038	6 x 0,75	8.8	48.0	118
0536 054	7 x 0,75	8.8	55.2	122
0536 078	8 x 0,75	9.5	62.4	141
0536 079	10 x 0,75	11.3	76.8	173
0536 039	12 x 0,75	11.7	91.2	197
0536 029	14 x 0,75	12.5	105.6	229
0536 080	16 x 0,75	13.2	120.0	259

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
0536 040	20 x 0,75	14.8	148.8	328
0536 057	21 x 0,75	14.8	156.0	332
0536 081	25 x 0,75	16.7	184.8	399
0536 082	32 x 0,75	18.0	235.2	482
0536 083	37 x 0,75	19.1	271.2	550
0536 084	42 x 0,75	20.5	307.2	635
0536 085	50 x 0,75	22.3	364.8	734
0536 001	2 x 1,0	6.9	24.0	62
0536 004	3 x 1,0	7.3	33.6	78
0536 017	4 x 1,0	7.9	43.2	95
0536 013	5 x 1,0	8.6	52.8	116
0536 086	6 x 1,0	9.4	62.4	138
0536 009	7 x 1,0	9.4	72.0	144
0536 045	8 x 1,0	10.3	81.6	172
0536 015	10 x 1,0	12.3	100.8	211
0536 010	12 x 1,0	12.6	120.0	240
0536 003	14 x 1,0	13.3	139.2	272
0536 018	16 x 1,0	14.0	158.4	308
0536 027	20 x 1,0	15.7	196.8	390
0536 022	21 x 1,0	15.7	206.4	395
0536 087	25 x 1,0	17.8	244.8	476
0536 088	32 x 1,0	19.6	312.0	597
0536 089	37 x 1,0	20.3	360.0	660
0536 090	42 x 1,0	21.9	408.0	763
0536 091	50 x 1,0	24.3	484.8	908
0536 021	2 x 1,5	7.4	36.0	77
0536 024	3 x 1,5	7.8	50.4	97
0536 007	4 x 1,5	8.6	64.8	120
0536 023	5 x 1,5	9.4	79.2	147
0536 052	6 x 1,5	10.4	93.6	180

TECHNOKONTROL YnKSLYekw-Nr 0,6/1 kV **TECHNOKONTROL YnKSLYekwżo-Nr 0,6/1 kV**

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
0536 005	7 x 1,5	10.4	108.0	189
0536 053	8 x 1,5	11.2	122.4	219
0536 048	10 x 1,5	13.3	151.2	267
0536 030	12 x 1,5	13.8	180.0	307
0536 012	14 x 1,5	14.7	208.8	356
0536 037	16 x 1,5	15.5	237.6	404
0536 056	20 x 1,5	17.1	295.2	501
0536 092	21 x 1,5	17.1	309.6	510
0536 093	25 x 1,5	19.9	367.2	633
0536 094	32 x 1,5	21.4	468.0	771
0536 095	37 x 1,5	22.2	540.0	855
0536 096	42 x 1,5	24.3	612.0	1011
0536 097	50 x 1,5	26.5	727.2	1174
0536 036	2 x 2,5	8.3	55.2	98
0536 047	3 x 2,5	8.8	79.2	127
0536 019	4 x 2,5	9.6	103.2	158
0536 014	5 x 2,5	10.7	127.2	202
0536 098	6 x 2,5	11.7	151.2	241
0536 031	7 x 2,5	11.7	175.2	255
0536 058	8 x 2,5	12.8	199.2	303
0536 049	10 x 2,5	15.3	247.2	370
0536 032	12 x 2,5	15.8	295.2	427
0536 099	14 x 2,5	16.6	343.2	487
0536 100	16 x 2,5	17.5	391.2	553
0536 101	20 x 2,5	19.8	487.2	709
0536 102	21 x 2,5	19.8	511.2	723
0536 103	25 x 2,5	22.5	607.2	869
0536 104	2 x 4,0	9.7	86.4	138
0536 105	3 x 4,0	10.5	124.8	189

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
0536 025	4 x 4,0	11.5	163.2	237
0536 016	5 x 4,0	12.8	201.6	301
0536 106	7 x 4,0	13.9	278.4	384
0536 107	3 x 6,0	11.7	182.4	250
0536 108	4 x 6,0	13.0	240.0	323
0536 059	5 x 6,0	14.5	297.6	412
0536 109	7 x 6,0	15.9	412.8	530
0536 110	3 x 10,0	14.7	297.6	409
0536 111	4 x 10,0	16.1	393.6	522
0536 112	5 x 10,0	17.8	489.6	657
0536 113	7 x 10,0	19.9	681.6	877
0536 114	3 x 16,0	17.0	475.2	598
0536 115	4 x 16,0	19.2	628.8	790
0536 116	5 x 16,0	21.1	782.4	994
0536 117	7 x 16,0	23.5	1089.6	1327
0536 118	3 x 25,0	20.8	734.4	890
0536 119	4 x 25,0	23.4	974.4	1174
0536 120	5 x 25,0	25.8	1214.4	1482
0536 121	3 x 35,0	23.7	1022.4	1195
0536 122	4 x 35,0	26.1	1358.4	1547
0536 123	5 x 35,0	28.9	1694.4	1959
0536 124	3 x 50,0	29.0	1464.0	1719
0536 125	4 x 50,0	32.3	1944.0	2251
0536 126	5 x 50,0	35.8	2424.0	2860

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.