

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

TECHNOKONTROL YKSLYekw-Nr 0,6/1 kV and **TECHNOKONTROL YKSLYekwżo-Nr 0,6/1 kV** 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 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) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

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

TECHNOKONTROL YKSLYekw-Nr 0,6/1 kV **TECHNOKONTROL YKSLYekwżo-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
		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
0317 003	2 x 0,5	6.2	12.0	46
0317 078	3 x 0,5	6.5	16.8	56
0317 102	4 x 0,5	7.0	21.6	68
0317 073	5 x 0,5	7.7	26.4	83
0317 103	6 x 0,5	8.3	31.2	98
0317 086	7 x 0,5	8.3	36.0	101
0317 072	8 x 0,5	8.9	40.8	116
0317 005	10 x 0,5	10.6	50.4	142
0317 104	12 x 0,5	10.9	60.0	161
0317 105	14 x 0,5	11.5	69.6	182
0317 069	16 x 0,5	12.3	79.2	212
0317 106	20 x 0,5	13.6	98.4	261
0317 107	21 x 0,5	13.6	103.2	264
0317 108	25 x 0,5	15.6	122.4	326
0317 070	32 x 0,5	16.8	156.0	391
0317 109	37 x 0,5	17.4	180.0	430
0317 110	42 x 0,5	19.1	204.0	516
0317 111	50 x 0,5	20.8	242.4	596
0317 112	56 x 0,5	21.4	271.2	643
0317 113	61 x 0,5	22.1	295.2	689
0317 006	2 x 0,75	6.5	19.2	55
0317 007	3 x 0,75	6.9	26.4	68
0317 008	4 x 0,75	7.5	33.6	82
0317 009	5 x 0,75	8.1	40.8	100
0317 093	6 x 0,75	8.8	48.0	118
0317 058	7 x 0,75	8.8	55.2	122
0317 114	8 x 0,75	9.5	62.4	141
0317 010	10 x 0,75	11.3	76.8	173
0317 011	12 x 0,75	11.7	91.2	197
0317 115	14 x 0,75	12.5	105.6	229
0317 067	16 x 0,75	13.2	120.0	259
0317 116	20 x 0,75	14.8	148.8	328

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
0317 117	21 x 0,75	14.8	156.0	332
0317 118	25 x 0,75	16.7	184.8	399
0317 119	32 x 0,75	18.0	235.2	482
0317 087	37 x 0,75	19.1	271.2	550
0317 120	42 x 0,75	20.5	307.2	635
0317 121	50 x 0,75	22.3	364.8	734
0317 012	2 x 1,0	6.9	24.0	62
0317 015	3 x 1,0	7.3	33.6	78
0317 016	4 x 1,0	7.9	43.2	95
0317 017	5 x 1,0	8.6	52.8	116
0317 096	6 x 1,0	9.4	62.4	138
0317 018	7 x 1,0	9.4	72.0	144
0317 046	8 x 1,0	10.3	81.6	172
0317 020	10 x 1,0	12.3	100.8	211
0317 021	12 x 1,0	12.6	120.0	240
0317 022	14 x 1,0	13.3	139.2	272
0317 056	16 x 1,0	14.0	158.4	308
0317 062	20 x 1,0	15.7	196.8	390
0317 092	21 x 1,0	15.7	206.4	395
0317 094	25 x 1,0	17.8	244.8	476
0317 095	32 x 1,0	19.6	312.0	597
0317 026	37 x 1,0	20.3	360.0	660
0317 053	42 x 1,0	21.9	408.0	763
0317 071	50 x 1,0	24.3	484.8	908
0317 027	2 x 1,5	7.4	36.0	77
0317 028	3 x 1,5	7.8	50.4	97
0317 029	4 x 1,5	8.6	64.8	120
0317 030	5 x 1,5	9.4	79.2	147
0317 088	6 x 1,5	10.4	93.6	180
0317 032	7 x 1,5	10.4	108.0	189
0317 080	8 x 1,5	11.2	122.4	219

TECHNOKONTROL YKSLYekw-Nr 0,6/1 kV **TECHNOKONTROL YKSLYekwżo-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
0317 035	10 x 1,5	13.3	151.2	267
0317 036	12 x 1,5	13.8	180.0	307
0317 037	14 x 1,5	14.7	208.8	356
0317 055	16 x 1,5	15.5	237.6	404
0317 047	20 x 1,5	17.1	295.2	501
0317 122	21 x 1,5	17.1	309.6	510
0317 076	25 x 1,5	19.9	367.2	633
0317 098	32 x 1,5	21.4	468.0	771
0317 099	37 x 1,5	22.2	540.0	855
0317 123	42 x 1,5	24.3	612.0	1011
0317 124	50 x 1,5	26.5	727.2	1174
0317 063	2 x 2,5	8.3	55.2	98
0317 040	3 x 2,5	8.8	79.2	127
0317 041	4 x 2,5	9.6	103.2	158
0317 042	5 x 2,5	10.7	127.2	202
0317 043	6 x 2,5	11.7	151.2	241
0317 064	7 x 2,5	11.7	175.2	255
0317 077	8 x 2,5	12.8	199.2	303
0317 044	10 x 2,5	15.3	247.2	370
0317 101	12 x 2,5	15.8	295.2	427
0317 061	14 x 2,5	16.6	343.2	487
0317 054	16 x 2,5	17.5	391.2	553
0317 125	20 x 2,5	19.8	487.2	709
0317 126	21 x 2,5	19.8	511.2	723
0317 127	25 x 2,5	22.5	607.2	869
0317 128	2 x 4,0	9.7	86.4	138
0317 045	3 x 4,0	10.5	124.8	189
0317 089	4 x 4,0	11.5	163.2	237

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
0317 129	5 x 4,0	12.8	201.6	301
0317 091	7 x 4,0	13.9	278.4	384
0317 130	3 x 6,0	11.7	182.4	250
0317 131	4 x 6,0	13.0	240.0	323
0317 132	5 x 6,0	14.5	297.6	412
0317 133	7 x 6,0	15.9	412.8	530
0317 082	3 x 10,0	14.7	297.6	409
0317 134	4 x 10,0	16.1	393.6	522
0317 135	5 x 10,0	17.8	489.6	657
0317 136	7 x 10,0	19.9	681.6	877
0317 083	3 x 16,0	17.0	475.2	598
0317 137	4 x 16,0	19.2	628.8	790
0317 138	5 x 16,0	21.1	782.4	994
0317 139	7 x 16,0	23.5	1089.6	1327
0317 084	3 x 25,0	20.8	734.4	890
0317 140	4 x 25,0	23.4	974.4	1174
0317 141	5 x 25,0	25.8	1214.4	1482
0317 142	3 x 35,0	23.7	1022.4	1195
0317 143	4 x 35,0	26.1	1358.4	1547
0317 144	5 x 35,0	28.9	1694.4	1959
0317 145	3 x 50,0	29.0	1464.0	1719
0317 146	4 x 50,0	32.3	1944.0	2251
0317 147	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.