

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

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

TECHNOKONTROL YKSLYekw 0,6/1 kV **TECHNOKONTROL YKSLYekwżo 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 _o /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
0312 010	2 x 0,75	6.5	19.2	55
0312 011	3 x 0,75	6.9	26.4	68
0312 042	4 x 0,75	7.5	33.6	82
0312 012	5 x 0,75	8.1	40.8	100
0312 043	6 x 0,75	8.8	48.0	118
0312 044	7 x 0,75	8.8	55.2	122
0312 045	8 x 0,75	9.5	62.4	141
0312 046	10 x 0,75	11.3	76.8	173
0312 014	12 x 0,75	11.7	91.2	197
0312 015	14 x 0,75	12.5	105.6	229
0312 040	16 x 0,75	13.2	120.0	259
0312 047	20 x 0,75	14.8	148.8	328
0312 048	21 x 0,75	14.8	156.0	332
0312 049	25 x 0,75	16.7	184.8	399
0312 050	32 x 0,75	18.0	235.2	482
0312 051	37 x 0,75	19.1	271.2	550
0312 052	42 x 0,75	20.5	307.2	635
0312 053	48 x 0,75	21.7	350.4	693
0312 054	50 x 0,75	22.3	364.8	734
0312 016	2 x 1,0	6.9	24.0	62
0312 017	3 x 1,0	7.3	33.6	78
0312 019	4 x 1,0	7.9	43.2	95
0312 020	5 x 1,0	8.6	52.8	116
0312 055	6 x 1,0	9.4	62.4	138
0312 021	7 x 1,0	9.4	72.0	144
0312 056	8 x 1,0	10.3	81.6	172
0312 022	10 x 1,0	12.3	100.8	211
0312 057	12 x 1,0	12.6	120.0	240
0312 023	14 x 1,0	13.3	139.2	272
0312 058	16 x 1,0	14.0	158.4	308
0312 059	20 x 1,0	15.7	196.8	390
0312 060	21 x 1,0	15.7	206.4	395

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
0312 061	25 x 1,0	17.8	244.8	476
0312 062	32 x 1,0	19.6	312.0	597
0312 027	37 x 1,0	20.3	360.0	660
0312 063	42 x 1,0	21.9	408.0	763
0312 064	48 x 1,0	23.6	465.6	858
0312 065	50 x 1,0	24.3	484.8	908
0312 028	2 x 1,5	7.4	36.0	77
0312 029	3 x 1,5	7.8	50.4	97
0312 066	4 x 1,5	8.6	64.8	120
0312 030	5 x 1,5	9.4	79.2	147
0312 067	6 x 1,5	10.4	93.6	180
0312 031	7 x 1,5	10.4	108.0	189
0312 068	8 x 1,5	11.2	122.4	219
0312 032	10 x 1,5	13.3	151.2	267
0312 069	12 x 1,5	13.8	180.0	307
0312 033	14 x 1,5	14.7	208.8	356
0312 070	16 x 1,5	15.5	237.6	404
0312 071	20 x 1,5	17.1	295.2	501
0312 072	21 x 1,5	17.1	309.6	510
0312 073	25 x 1,5	19.9	367.2	633
0312 074	32 x 1,5	21.4	468.0	771
0312 075	37 x 1,5	22.2	540.0	855
0312 076	40 x 1,5	23.5	583.2	948
0312 077	2 x 2,5	8.3	55.2	98
0312 036	3 x 2,5	8.8	79.2	127
0312 037	4 x 2,5	9.6	103.2	158
0312 038	5 x 2,5	10.7	127.2	202
0312 039	6 x 2,5	11.7	151.2	241
0312 078	7 x 2,5	11.7	175.2	255
0312 079	8 x 2,5	12.8	199.2	303
0312 080	10 x 2,5	15.3	247.2	370

TECHNOKONTROL YKSLYekw 0,6/1 kV **TECHNOKONTROL YKSLYekwżo 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
0312 081	12 x 2,5	15.8	295.2	427
0312 082	14 x 2,5	16.6	343.2	487
0312 083	16 x 2,5	17.5	391.2	553
0312 084	20 x 2,5	19.8	487.2	709
0312 085	21 x 2,5	19.8	511.2	723
0312 086	25 x 2,5	22.5	607.2	869
0312 087	2 x 4,0	9.7	86.4	138
0312 088	3 x 4,0	10.5	124.8	189
0312 089	4 x 4,0	11.5	163.2	237
0312 090	5 x 4,0	12.8	201.6	301
0312 091	7 x 4,0	13.9	278.4	384
0312 092	3 x 6,0	11.7	182.4	250
0312 093	4 x 6,0	13.0	240.0	323
0312 094	5 x 6,0	14.5	297.6	412
0312 095	7 x 6,0	15.9	412.8	530
0312 096	3 x 10,0	14.7	297.6	409
0312 097	4 x 10,0	16.1	393.6	522

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
0312 098	5 x 10,0	17.8	489.6	657
0312 099	7 x 10,0	19.9	681.6	877
0312 100	3 x 16,0	17.0	475.2	598
0312 101	4 x 16,0	19.2	628.8	790
0312 102	5 x 16,0	21.1	782.4	994
0312 103	7 x 16,0	23.5	1089.6	1327
0312 104	3 x 25,0	20.8	734.4	890
0312 105	4 x 25,0	23.4	974.4	1174
0312 106	5 x 25,0	25.8	1214.4	1482
0312 107	3 x 35,0	23.7	1022.4	1195
0312 108	4 x 35,0	26.1	1358.4	1547
0312 109	5 x 35,0	28.9	1694.4	1959
0312 110	3 x 50,0	29.0	1464.0	1719
0312 111	4 x 50,0	32.3	1944.0	2251
0312 112	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.