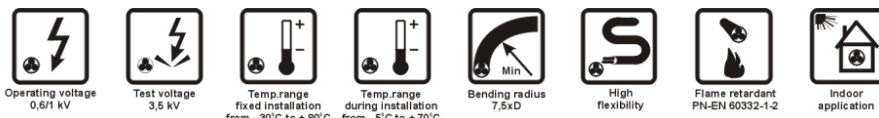


TECHNOKONTROL YKSLY 0,6/1 kV
TECHNOKONTROL YKSLYżo 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YKSLY 0,6/1 kV and **TECHNOKONTROL YKSLYżo 0,6/1 kV** are flexible 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 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 YKSLYżo 0,6/1 kV** cable,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLY-O 0,6/1 kV and **TECHNOKONTROL YKSLYżo-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 YnKSLY 0,6/1 kV and **TECHNOKONTROL YnKSLYżo 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 HKSLH 0,6/1 kV and **TECHNOKONTROL HKSLHżo 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOKONTROL YvKSLY 0,6/1 kV and **TECHNOKONTROL YvKSLYżo 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLY 0,6/1 kV **TECHNOKONTROL YKSLYžo 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	7.5 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
0284 002	2 x 0,75	6.4	14.4	49
0284 022	3 x 0,75	6.8	21.6	62
0284 003	4 x 0,75	7.4	28.8	76
0284 023	5 x 0,75	8.0	36.0	94
0284 024	6 x 0,75	8.7	43.2	112
0284 025	7 x 0,75	8.7	50.4	116
0284 026	8 x 0,75	9.4	57.6	135
0284 027	10 x 0,75	11.2	72.0	165
0284 028	12 x 0,75	11.6	86.4	190
0284 029	14 x 0,75	12.4	100.8	222
0284 030	16 x 0,75	13.1	115.2	252
0284 031	20 x 0,75	14.7	144.0	320
0284 032	21 x 0,75	14.7	151.2	324
0284 033	25 x 0,75	16.6	180.0	390
0284 034	32 x 0,75	17.9	230.4	472
0284 035	37 x 0,75	19.0	266.4	541
0284 036	40 x 0,75	19.7	288.0	584
0284 037	42 x 0,75	20.4	302.4	625
0284 038	50 x 0,75	22.2	360.0	723
0284 039	56 x 0,75	23.3	403.2	808
0284 040	61 x 0,75	24.0	439.2	866
0284 041	65 x 0,75	24.7	468.0	921
0284 042	75 x 0,75	26.7	540.0	1044
0284 043	80 x 0,75	27.3	576.0	1104
0284 044	100 x 0,75	30.0	720.0	1368
0284 004	2 x 1,0	6.8	19.2	56
0284 005	3 x 1,0	7.2	28.8	72
0284 045	4 x 1,0	7.8	38.4	89
0284 046	5 x 1,0	8.5	48.0	110
0284 047	6 x 1,0	9.3	57.6	131
0284 048	7 x 1,0	9.3	67.2	137
0284 049	8 x 1,0	10.2	76.8	165

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
0284 050	10 x 1,0	12.2	96.0	203
0284 051	12 x 1,0	12.5	115.2	232
0284 006	14 x 1,0	13.2	134.4	264
0284 052	16 x 1,0	13.9	153.6	300
0284 053	20 x 1,0	15.6	192.0	381
0284 054	21 x 1,0	15.6	201.6	387
0284 055	25 x 1,0	17.7	240.0	466
0284 056	32 x 1,0	19.5	307.2	588
0284 057	37 x 1,0	20.2	355.2	650
0284 058	40 x 1,0	21.0	384.0	703
0284 059	42 x 1,0	21.8	403.2	753
0284 060	50 x 1,0	24.2	480.0	897
0284 061	56 x 1,0	24.9	537.6	974
0284 062	61 x 1,0	25.6	585.6	1045
0284 063	65 x 1,0	26.4	624.0	1112
0284 064	75 x 1,0	28.5	720.0	1263
0284 065	80 x 1,0	29.1	768.0	1337
0284 066	100 x 1,0	32.3	960.0	1677
0284 008	2 x 1,5	7.3	28.8	68
0284 009	3 x 1,5	7.7	43.2	89
0284 010	4 x 1,5	8.5	57.6	111
0284 067	5 x 1,5	9.3	72.0	139
0284 068	6 x 1,5	10.3	86.4	171
0284 011	7 x 1,5	10.3	100.8	180
0284 069	8 x 1,5	11.1	115.2	210
0284 070	10 x 1,5	13.2	144.0	257
0284 012	12 x 1,5	13.7	172.8	297
0284 013	14 x 1,5	14.6	201.6	346
0284 071	16 x 1,5	15.4	230.4	393
0284 072	20 x 1,5	17.0	288.0	491
0284 073	21 x 1,5	17.0	302.4	499
0284 074	25 x 1,5	19.8	360.0	621

TECHNOKONTROL YKSLY 0,6/1 kV **TECHNOKONTROL YKSLYżo 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
0284 075	32 x 1,5	21.3	460.8	758
0284 076	37 x 1,5	22.1	532.8	843
0284 077	40 x 1,5	23.4	576.0	936
0284 078	42 x 1,5	24.2	604.8	999
0284 079	50 x 1,5	26.4	720.0	1160
0284 080	56 x 1,5	27.2	806.4	1264
0284 081	61 x 1,5	28.0	878.4	1360
0284 082	65 x 1,5	28.9	936.0	1448
0284 083	75 x 1,5	31.4	1080.0	1663
0284 084	80 x 1,5	32.1	1152.0	1763
0284 085	100 x 1,5	35.5	1440.0	2192
0284 014	2 x 2,5	8.2	48.0	89
0284 015	3 x 2,5	8.7	72.0	119
0284 017	4 x 2,5	9.5	96.0	149
0284 086	5 x 2,5	10.6	120.0	193
0284 087	6 x 2,5	11.6	144.0	231
0284 088	7 x 2,5	11.6	168.0	246
0284 089	8 x 2,5	12.7	192.0	293
0284 090	10 x 2,5	15.2	240.0	359
0284 091	12 x 2,5	15.7	288.0	417
0284 092	14 x 2,5	16.5	336.0	476
0284 093	16 x 2,5	17.4	384.0	542
0284 094	20 x 2,5	19.7	480.0	698
0284 095	21 x 2,5	19.7	504.0	712
0284 096	25 x 2,5	22.4	600.0	857
0284 097	32 x 2,5	24.6	768.0	1078
0284 098	37 x 2,5	25.5	888.0	1201
0284 099	40 x 2,5	26.5	960.0	1300
0284 100	42 x 2,5	27.5	1008.0	1387
0284 101	50 x 2,5	30.0	1200.0	1616
0284 102	56 x 2,5	31.0	1344.0	1768
0284 103	61 x 2,5	32.1	1464.0	1921
0284 104	65 x 2,5	33.1	1560.0	2047
0284 105	75 x 2,5	35.8	1800.0	2333
0284 106	80 x 2,5	36.6	1920.0	2475

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
0284 107	100 x 2,5	40.7	2400.0	3107
0284 108	2 x 4,0	9.6	76.8	127
0284 020	3 x 4,0	10.4	115.2	177
0284 109	4 x 4,0	11.4	153.6	225
0284 110	5 x 4,0	12.7	192.0	289
0284 021	7 x 4,0	13.8	268.8	372
0284 111	3 x 6,0	11.6	172.8	238
0284 112	4 x 6,0	12.9	230.4	311
0284 113	5 x 6,0	14.4	288.0	400
0284 114	7 x 6,0	15.8	403.2	518
0284 115	3 x 10,0	14.6	288.0	396
0284 116	4 x 10,0	16.0	384.0	509
0284 117	5 x 10,0	17.7	480.0	644
0284 118	7 x 10,0	19.8	672.0	864
0284 119	3 x 16,0	16.9	460.8	580
0284 120	4 x 16,0	19.1	614.4	772
0284 121	5 x 16,0	21.0	768.0	976
0284 122	7 x 16,0	23.4	1075.2	1309
0284 123	3 x 25,0	20.7	720.0	872
0284 124	4 x 25,0	23.3	960.0	1155
0284 125	5 x 25,0	25.7	1200.0	1463
0284 126	3 x 35,0	23.6	1008.0	1176
0284 127	4 x 35,0	26.0	1344.0	1528
0284 128	5 x 35,0	28.8	1680.0	1938
0284 129	3 x 50,0	28.9	1440.0	1691
0284 130	4 x 50,0	32.2	1920.0	2222
0284 131	5 x 50,0	35.7	2400.0	2830

Other cross-sections and conductor counts available on request.

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