

TECHNOKONTROL YSLCY-Nr-O (9) 0,6/1 kV**CONTROL AND POWER SUPPLY CABLES**Operating voltage
0,6/1 kVTest voltage
3,5 kVTemp. range
fixed installation
from -30°C to +80°CTemp. range
during installation
from -5°C to +70°CBending radius
10xDFlame retardant
PN-EN 60332-1-2Indoor
applicationOutdoor
application

UV resistance

Increased
oil resistanceElectromagnetic
compatibility**APPLICATIONS**

TECHNOKONTROL YSLCY-Nr-O (9) 0,6/1 kV are 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 overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

Sheathing PVC of high oxygen index is UV radiation and weather resistant, is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

The cables are oil-resistant and designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled.

The cables are suitable for fixed indoor and outdoor installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 2 per PN-EN 60228,
- black PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in a cable core,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- oil, petrol and UV radiation resistant and self-extinguishing (oxygen index bigger than 29%) PVC cable sheath, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YSLCEY-Nr-O (9) 0,6/1 kV - cables with drain wire stranded of tin-plated annealed copper wires (class 2), laid under a shield.

TECHNOKONTROL YSLCYv-Nr-O (9) 0,6/1 kV - cables with enhanced PVC sheath, suitable for direct earth burial.

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CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5
DC conductor resistance at 20°C, maximum	Ω/km	36.0	24.5	18.1	12.1	7.41
Capacitance between conductors at 1 kHz, appr.	nF/km	120	130	140	150	170

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
Inductance, approximate	0.7 mH/km	Minimum bending radius	10 x cable diameter
		Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Oil resistance	PN-EN 60811-404

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
9994 004	1 x 0,5	4.3	9.6	29
9994 005	2 x 0,5	6.5	19.3	52
9994 006	3 x 0,5	6.8	24.2	63
9994 007	4 x 0,5	7.4	30.2	76
9994 008	5 x 0,5	8.0	36.2	92
9994 009	6 x 0,5	8.7	46.2	112
9994 010	7 x 0,5	8.7	51.0	116
9994 011	8 x 0,5	9.4	57.6	134
9994 012	10 x 0,5	11.1	71.1	164
9994 013	12 x 0,5	11.4	82.0	185
9994 014	14 x 0,5	12.2	92.6	213
9994 015	16 x 0,5	12.8	103.9	240
9994 016	18 x 0,5	13.4	114.9	266
9994 017	19 x 0,5	13.4	119.7	269
9994 018	21 x 0,5	14.1	131.1	297
9994 019	24 x 0,5	15.9	156.4	347
9994 020	27 x 0,5	16.2	171.7	377
9994 021	30 x 0,5	16.8	187.9	410
9994 022	36 x 0,5	18.0	220.7	483
9994 023	37 x 0,5	18.0	225.5	486
9994 024	40 x 0,5	19.1	241.9	541
9994 025	41 x 0,5	19.7	248.5	574
9994 026	1 x 0,75	4.5	12.6	33
9994 027	2 x 0,75	6.9	24.4	59
9994 028	3 x 0,75	7.2	32.2	73
9994 029	4 x 0,75	7.8	40.6	90
9994 030	5 x 0,75	8.6	53.1	113
9994 031	6 x 0,75	9.3	62.2	134
9994 032	7 x 0,75	9.3	69.4	139
9994 033	8 x 0,75	10.2	78.3	165
9994 034	10 x 0,75	11.8	96.9	196
9994 035	12 x 0,75	12.4	112.3	228
9994 036	14 x 0,75	13.0	128.3	257
9994 037	16 x 0,75	13.7	144.5	290

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
9994 038	18 x 0,75	14.6	160.7	330
9994 039	19 x 0,75	14.6	167.9	335
9994 040	21 x 0,75	15.4	190.8	376
9994 041	24 x 0,75	17.0	217.4	421
9994 042	27 x 0,75	17.4	240.3	461
9994 043	30 x 0,75	18.0	263.9	502
9994 044	34 x 0,75	19.7	296.5	601
9994 045	1 x 1,0	4.7	16.0	38
9994 001	2 x 1,0	7.2	29.8	67
9994 046	3 x 1,0	7.6	40.2	85
9994 047	4 x 1,0	8.4	55.0	109
9994 048	5 x 1,0	9.1	67.0	133
9994 049	6 x 1,0	10.0	77.8	161
9994 050	7 x 1,0	10.0	87.4	168
9994 051	8 x 1,0	10.8	99.1	194
9994 052	10 x 1,0	12.8	123.1	238
9994 053	12 x 1,0	13.1	142.9	270
9994 054	14 x 1,0	13.8	164.0	306
9994 055	16 x 1,0	14.7	185.0	352
9994 056	18 x 1,0	15.6	213.1	400
9994 057	19 x 1,0	15.6	222.7	407
9994 058	21 x 1,0	16.3	244.0	449
9994 059	24 x 1,0	18.1	278.4	504
9994 060	27 x 1,0	18.9	308.4	570
9994 061	30 x 1,0	19.5	339.1	621
9994 062	1 x 1,5	5.0	20.8	44
9994 002	2 x 1,5	7.8	40.6	82
9994 003	3 x 1,5	8.3	59.6	109
9994 063	4 x 1,5	9.0	76.6	135
9994 064	5 x 1,5	10.0	92.2	169
9994 065	6 x 1,5	10.9	109.0	201
9994 066	7 x 1,5	10.9	123.4	212
9994 067	8 x 1,5	11.7	139.8	245

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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
0994 068	10 x 1,5	13.9	173.8	300
0994 069	12 x 1,5	14.5	203.7	350
0994 070	14 x 1,5	15.3	241.0	404
0994 071	16 x 1,5	16.1	272.2	457
0994 072	18 x 1,5	17.0	303.8	510
0994 073	19 x 1,5	17.0	318.2	521
0994 074	21 x 1,5	17.8	349.5	575
0994 075	24 x 1,5	20.1	398.6	665
0994 076	25 x 1,5	20.6	414.6	710
0994 077	1 x 2,5	5.4	32.1	57
0994 078	2 x 2,5	8.7	65.4	111

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
0994 079	3 x 2,5	9.2	91.0	145
0994 080	4 x 2,5	10.3	117.7	186
0994 081	5 x 2,5	11.2	143.4	229
0994 082	6 x 2,5	12.3	169.7	278
0994 083	7 x 2,5	12.3	193.7	295
0994 084	8 x 2,5	13.3	220.3	341
0994 085	10 x 2,5	15.8	280.9	424
0994 086	12 x 2,5	16.3	330.4	489
0994 087	14 x 2,5	17.2	381.2	558
0994 088	16 x 2,5	18.1	432.0	632
0994 089	18 x 2,5	19.5	483.1	727

Other cross-sections and conductor counts available on request.

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