

TECHNOKONTROL YSLY-Nr-O (9) 0,6/1 kV

CONTROL AND POWER SUPPLY CABLESOperating 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 resistance**APPLICATIONS**

TECHNOKONTROL YSLY-Nr-O (9) 0,6/1 kV are 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.

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,
- 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 YSLYv-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	100	110	120	130	140

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
0995 003	2 x 0,5	6.0	9.6	51
0995 004	3 x 0,5	6.3	14.4	60
0995 005	4 x 0,5	6.9	19.2	72
0995 006	5 x 0,5	7.5	24.0	87
0995 007	6 x 0,5	8.1	28.8	102
0995 008	7 x 0,5	8.1	33.6	105
0995 009	8 x 0,5	8.8	38.4	122
0995 010	10 x 0,5	10.5	48.0	154
0995 011	12 x 0,5	10.8	57.6	172
0995 012	14 x 0,5	11.4	67.2	194
0995 013	16 x 0,5	12.2	76.8	224
0995 014	18 x 0,5	12.8	86.4	249
0995 015	19 x 0,5	12.8	91.2	253
0995 016	21 x 0,5	13.5	100.8	279
0995 017	24 x 0,5	15.2	115.2	324
0995 018	27 x 0,5	15.5	129.6	352
0995 019	30 x 0,5	16.1	144.0	384
0995 020	36 x 0,5	17.3	172.8	453
0995 021	37 x 0,5	17.3	177.6	456
0995 022	40 x 0,5	18.0	192.0	493
0995 023	44 x 0,5	19.9	211.2	558
0995 024	48 x 0,5	20.2	230.4	596
0995 025	52 x 0,5	20.8	249.6	638
0995 026	56 x 0,5	21.4	268.8	682
0995 027	60 x 0,5	22.0	288.0	727
0995 028	2 x 0,75	6.4	14.4	61
0995 029	3 x 0,75	6.7	21.6	71
0995 030	4 x 0,75	7.3	28.8	85
0995 031	5 x 0,75	8.0	36.0	104
0995 032	6 x 0,75	8.7	43.2	124
0995 033	7 x 0,75	8.7	50.4	128
0995 034	8 x 0,75	9.4	57.6	149
0995 035	10 x 0,75	11.2	72.0	187
0995 036	12 x 0,75	11.6	86.4	211

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
0995 037	14 x 0,75	12.4	100.8	243
0995 038	16 x 0,75	13.1	115.2	275
0995 039	18 x 0,75	13.8	129.6	307
0995 040	19 x 0,75	13.8	136.8	312
0995 041	21 x 0,75	14.7	151.2	351
0995 042	24 x 0,75	16.3	172.8	398
0995 043	27 x 0,75	16.7	194.4	435
0995 044	30 x 0,75	17.3	216.0	475
0995 045	36 x 0,75	19.0	259.2	579
0995 046	37 x 0,75	19.0	266.4	584
0995 047	40 x 0,75	19.7	288.0	630
0995 048	44 x 0,75	21.4	316.8	691
0995 049	48 x 0,75	21.7	345.6	740
0995 050	52 x 0,75	22.3	374.4	792
0995 051	56 x 0,75	23.4	403.2	870
0995 052	60 x 0,75	24.1	432.0	928
0995 001	2 x 1,0	6.7	19.2	69
0995 053	3 x 1,0	7.1	28.8	83
0995 054	4 x 1,0	7.8	38.4	101
0995 055	5 x 1,0	8.5	48.0	124
0995 056	6 x 1,0	9.2	57.6	147
0995 057	7 x 1,0	9.2	67.2	153
0995 058	8 x 1,0	10.2	76.8	183
0995 059	10 x 1,0	12.2	96.0	230
0995 060	12 x 1,0	12.5	115.2	259
0995 061	14 x 1,0	13.2	134.4	293
0995 062	16 x 1,0	13.9	153.6	331
0995 063	18 x 1,0	14.9	172.8	377
0995 064	19 x 1,0	14.9	182.4	384
0995 065	21 x 1,0	15.6	201.6	424
0995 066	24 x 1,0	17.4	230.4	481
0995 067	27 x 1,0	17.8	259.2	527
0995 068	30 x 1,0	18.8	288.0	593
0995 069	36 x 1,0	20.3	345.6	703

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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
0995 070	37 x 1,0	20.3	355.2	709
0995 071	40 x 1,0	21.1	384.0	766
0995 072	44 x 1,0	23.2	422.4	860
0995 073	48 x 1,0	23.6	460.8	922
0995 074	52 x 1,0	24.3	499.2	988
0995 075	56 x 1,0	25.0	537.6	1058
0995 076	60 x 1,0	25.7	576.0	1129
0995 077	2 x 1,5	7.3	28.8	86
0995 078	3 x 1,5	7.7	43.2	104
0995 079	4 x 1,5	8.4	57.6	127
0995 080	5 x 1,5	9.2	72.0	157
0995 081	6 x 1,5	10.3	86.4	192
0995 082	7 x 1,5	10.3	100.8	202
0995 083	8 x 1,5	11.1	115.2	234
0995 084	10 x 1,5	13.3	144.0	294
0995 085	12 x 1,5	13.7	172.8	334
0995 086	14 x 1,5	14.6	201.6	385
0995 087	16 x 1,5	15.4	230.4	435
0995 088	18 x 1,5	16.3	259.2	487
0995 089	19 x 1,5	16.3	273.6	498
0995 090	21 x 1,5	17.1	302.4	550
0995 091	24 x 1,5	19.4	345.6	642
0995 092	27 x 1,5	19.9	388.8	705
0995 093	30 x 1,5	20.6	432.0	771
0995 094	36 x 1,5	22.2	518.4	915
0995 095	37 x 1,5	22.2	532.8	925
0995 096	40 x 1,5	23.5	576.0	1022
0995 097	44 x 1,5	25.4	633.6	1120
0995 098	48 x 1,5	25.9	691.2	1204

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
0995 099	52 x 1,5	26.6	748.8	1291
0995 100	56 x 1,5	27.4	806.4	1384
0995 101	60 x 1,5	28.2	864.0	1478
0995 102	2 x 2,5	8.1	48.0	114
0995 103	3 x 2,5	8.6	72.0	142
0995 104	4 x 2,5	9.5	96.0	176
0995 105	5 x 2,5	10.6	120.0	222
0995 106	6 x 2,5	11.5	144.0	264
0995 002	7 x 2,5	11.5	168.0	280
0995 107	8 x 2,5	12.7	192.0	331
0995 108	10 x 2,5	15.1	240.0	414
0995 109	12 x 2,5	15.6	288.0	474
0995 110	14 x 2,5	16.5	336.0	540
0995 111	16 x 2,5	17.4	384.0	612
0995 112	18 x 2,5	18.8	432.0	704
0995 113	19 x 2,5	18.8	456.0	720
0995 114	21 x 2,5	19.7	504.0	796
0995 115	24 x 2,5	22.0	576.0	905
0995 116	27 x 2,5	22.5	648.0	997
0995 117	30 x 2,5	23.7	720.0	1114
0995 118	36 x 2,5	25.6	864.0	1325
0995 119	37 x 2,5	25.6	888.0	1341
0995 120	40 x 2,5	26.6	960.0	1450
0995 121	44 x 2,5	28.8	1056.0	1590
0995 122	48 x 2,5	29.3	1152.0	1712
0995 123	52 x 2,5	30.1	1248.0	1839
0995 124	56 x 2,5	31.0	1344.0	1973
0995 125	60 x 2,5	32.2	1440.0	2126

Other cross-sections and conductor counts available on request.

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