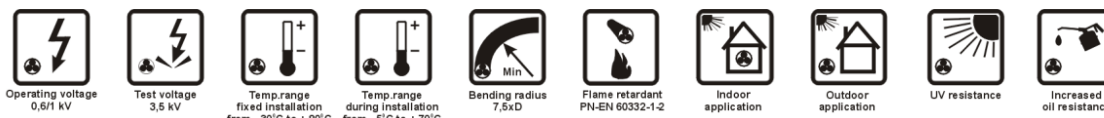


TECHNOKONTROL YSLY-P-Nr-O (9) 0,6/1 kV**CONTROL AND POWER SUPPLY CABLES****APPLICATIONS**

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

Paired structure decreases mutual influence between signals transmitted along the cable and reduces influence of outer sources of interference.

The cables are designed to offer high flexibility combined with tensile strength.

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,
- PVC insulation, identification of pairs:
 - "a" wire – black insulation and white pair number printed on it,
 - "b" wire – white insulation and black pair number printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- 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-P-Nr-O (9) 0,6/1 kV - cables with enhanced PVC sheath, suitable for direct earth burial.

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

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5
DC loop resistance at 20°C, maximum	Ω/km	72.0	49.0	36.2	24.2	14.82
Mutual capacitance at 1 kHz, approximate	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	7.5 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 pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Product No.	Number of pairs (x 2) x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km		mm ²	mm	kg/km	kg/km
1709 001	2 x 2 x 0,5	10.1	19.2	128	1709 031	5 x 2 x 1,0	14.4	96.0	293
1709 002	3 x 2 x 0,5	10.6	28.8	158	1709 032	6 x 2 x 1,0	15.6	115.2	345
1709 003	4 x 2 x 0,5	11.6	38.4	182	1709 033	7 x 2 x 1,0	15.6	134.4	362
1709 004	5 x 2 x 0,5	12.7	48.0	209	1709 034	8 x 2 x 1,0	16.6	153.6	399
1709 005	6 x 2 x 0,5	13.7	57.6	243	1709 035	10 x 2 x 1,0	18.9	192.0	486
1709 006	7 x 2 x 0,5	13.7	67.2	253	1709 036	12 x 2 x 1,0	19.8	230.4	551
1709 007	8 x 2 x 0,5	14.6	76.8	277	1709 037	16 x 2 x 1,0	22.4	307.2	696
1709 008	10 x 2 x 0,5	16.5	96.0	335	1709 038	20 x 2 x 1,0	25.1	384.0	857
1709 009	12 x 2 x 0,5	17.3	115.2	377					
1709 010	16 x 2 x 0,5	19.5	153.6	470	1709 039	2 x 2 x 1,5	12.3	57.6	213
1709 011	18 x 2 x 0,5	20.5	172.8	516	1709 040	3 x 2 x 1,5	13.0	86.4	271
1709 012	20 x 2 x 0,5	21.5	192.0	561	1709 041	4 x 2 x 1,5	14.2	115.2	316
1709 013	25 x 2 x 0,5	24.1	240.0	701	1709 042	5 x 2 x 1,5	15.6	144.0	367
1709 014	30 x 2 x 0,5	26.1	288.0	810	1709 043	6 x 2 x 1,5	17.0	172.8	435
1709 015	40 x 2 x 0,5	30.1	384.0	1060	1709 044	7 x 2 x 1,5	17.0	201.6	461
1709 016	50 x 2 x 0,5	33.2	480.0	1279	1709 045	8 x 2 x 1,5	18.2	230.4	510
					1709 046	10 x 2 x 1,5	20.7	288.0	623
1709 017	2 x 2 x 0,75	10.7	28.8	147	1709 047	12 x 2 x 1,5	21.6	345.6	709
1709 018	3 x 2 x 0,75	11.3	43.2	187	1709 048	16 x 2 x 1,5	25.0	460.8	922
1709 019	4 x 2 x 0,75	12.4	57.6	217	1709 049	20 x 2 x 1,5	27.5	576.0	1110
1709 020	5 x 2 x 0,75	13.5	72.0	248					
1709 021	6 x 2 x 0,75	14.7	86.4	292	1709 050	2 x 2 x 2,5	13.7	96.0	279
1709 022	7 x 2 x 0,75	14.7	100.8	305	1709 051	3 x 2 x 2,5	14.5	144.0	363
1709 023	8 x 2 x 0,75	15.6	115.2	335	1709 052	4 x 2 x 2,5	16.0	192.0	431
1709 024	10 x 2 x 0,75	17.7	144.0	407	1709 053	5 x 2 x 2,5	17.6	240.0	503
1709 025	12 x 2 x 0,75	18.5	172.8	459	1709 054	6 x 2 x 2,5	19.2	288.0	598
1709 026	16 x 2 x 0,75	21.0	230.4	577	1709 055	7 x 2 x 2,5	19.2	336.0	639
1709 027	20 x 2 x 0,75	23.5	288.0	712	1709 056	8 x 2 x 2,5	20.5	384.0	708
					1709 057	10 x 2 x 2,5	23.8	480.0	890
1709 028	2 x 2 x 1,0	11.4	38.4	173	1709 058	12 x 2 x 2,5	24.9	576.0	1015
1709 029	3 x 2 x 1,0	12.0	57.6	219	1709 059	16 x 2 x 2,5	28.6	768.0	1319
1709 030	4 x 2 x 1,0	13.1	76.8	253	1709 060	20 x 2 x 2,5	31.6	960.0	1597

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.