

TECHNOKONTROL YKSLXS-P-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE 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
7,5xDHigh
flexibilityFlame retardant
PN-EN 60332-1-2Indoor
application**APPLICATIONS**

TECHNOKONTROL YKSLXS-P-Nr 0,6/1 kV are multipair cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

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

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

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,
- cross-linked polyethylene (XLPE) insulation - identification of pairs: black and brown insulation and white pair numbers printed on it,
- insulated conductors twisted into pairs,
- pairs laid-up in layers into a cable core,
- cable core wrapped in polyester tape,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXS-P-Nr-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 HKSLXS-P-Nr 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 YvKSLXS-P-Nr 0,6/1 kV - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

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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	78.0	52.0	39.0	26.6	15.96
Mutual capacitance at 1 kHz, approximate	nF/km	45	50	50	55	60

Operating voltage U₀/U 0.6/1 kV
 Voltage test 3.5 kV rms
 Insulation resistance, minimum 100 MΩ·km
 Inductance, approximate 0.7 mH/km
 Conductor temperature limit
 in work conditions + 90°C
 at short-circuit + 250°C

Operating temperature range
 for fixed installation from - 30 to + 80°C
 for movable installation from - 5 to + 70°C
 Minimum bending radius 7.5 x cable diameter
 Cable combustibility flame retardant
 Combustibility tests PN-EN 60332-1-2, IEC 60332-1-2

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.)
	mm ²	mm	kg/km	kg/km
1706 001	2 x 2 x 0,5	8.9	19.2	74
1706 002	3 x 2 x 0,5	9.4	28.8	82
1706 003	4 x 2 x 0,5	10.6	38.4	106
1706 004	5 x 2 x 0,5	11.6	48.0	124
1706 005	6 x 2 x 0,5	12.9	57.6	150
1706 006	8 x 2 x 0,5	13.7	76.8	182
1706 007	10 x 2 x 0,5	15.8	96.0	228
1706 008	12 x 2 x 0,5	16.5	115.2	260
1706 009	16 x 2 x 0,5	19.1	153.6	347
1706 010	18 x 2 x 0,5	20.1	172.8	382
1706 011	24 x 2 x 0,5	23.2	230.4	506
1706 012	2 x 2 x 0,75	9.5	28.8	86
1706 013	3 x 2 x 0,75	10.3	43.2	104
1706 014	4 x 2 x 0,75	11.3	57.6	127
1706 015	5 x 2 x 0,75	12.6	72.0	157
1706 016	8 x 2 x 0,75	14.9	115.2	232
1706 017	10 x 2 x 0,75	16.9	144.0	280
1706 018	12 x 2 x 0,75	17.7	172.8	322
1706 019	16 x 2 x 0,75	20.5	230.4	430
1706 020	18 x 2 x 0,75	21.6	259.2	474
1706 021	2 x 2 x 1,0	10.3	38.4	108
1706 022	3 x 2 x 1,0	10.9	57.6	123
1706 023	4 x 2 x 1,0	12.2	76.8	158
1706 024	5 x 2 x 1,0	13.5	96.0	188
1706 025	8 x 2 x 1,0	15.9	153.6	279

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
1706 026	10 x 2 x 1,0	18.1	192.0	339
1706 027	12 x 2 x 1,0	19.3	230.4	409
1706 028	14 x 2 x 1,0	20.7	268.8	466
1706 029	16 x 2 x 1,0	21.9	307.2	521
1706 030	18 x 2 x 1,0	23.5	345.6	600
1706 031	2 x 2 x 1,5	11.2	57.6	131
1706 032	3 x 2 x 1,5	11.9	86.4	155
1706 033	4 x 2 x 1,5	13.4	115.2	201
1706 034	5 x 2 x 1,5	14.9	144.0	248
1706 035	6 x 2 x 1,5	16.3	172.8	289
1706 036	8 x 2 x 1,5	17.4	230.4	361
1706 037	10 x 2 x 1,5	20.2	288.0	461
1706 038	12 x 2 x 1,5	21.2	345.6	533
1706 039	16 x 2 x 1,5	24.4	460.8	705
1706 040	2 x 2 x 2,5	12.9	96.0	190
1706 041	3 x 2 x 2,5	13.7	144.0	224
1706 042	4 x 2 x 2,5	15.3	192.0	289
1706 043	5 x 2 x 2,5	16.9	240.0	349
1706 044	7 x 2 x 2,5	18.9	336.0	478
1706 045	10 x 2 x 2,5	23.4	480.0	681
1706 046	12 x 2 x 2,5	24.5	576.0	787
1706 047	14 x 2 x 2,5	26.2	672.0	900
1706 048	16 x 2 x 2,5	27.8	768.0	1013

Other cross-sections and pair counts available on request.

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