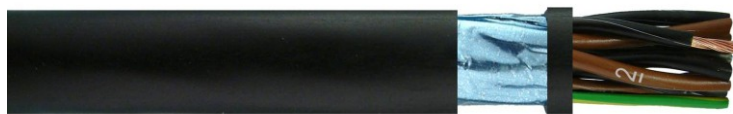


TECHNOKONTROL YKSLXSekw-P-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES**Operating voltage
0,6/1 kVTest voltage
3,5 kVTemp. range
fixed installation
from -30°C to +80°CTemp. range
during installation
from -5°C to +70°CBending radius
10xDHigh
flexibilityFlame retardant
PN-EN 60332-1-2Indoor
applicationElectromagnetic
compatibility**APPLICATIONS**

TECHNOKONTROL YKSLXSekw-P-Nr 0,6/1 kV are multipair overall shielded 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.

The cables are protected by an overall electrostatic shield against external electric interferences.

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,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

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

TECHNOKONTROL YKSLXSekw-P-Nr 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	78.0	52.0	39.0	26.6	15.96
Mutual capacitance at 1 kHz, approximate	nF/km	50	55	55	60	70

Operating voltage U_o/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 10 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
1707 001	2 x 2 x 0,5	9.0	21.6	79
1707 002	3 x 2 x 0,5	9.5	31.2	87
1707 003	4 x 2 x 0,5	10.7	40.8	111
1707 004	5 x 2 x 0,5	11.7	50.4	130
1707 005	6 x 2 x 0,5	13.0	60.0	156
1707 006	8 x 2 x 0,5	13.8	79.2	188
1707 007	10 x 2 x 0,5	15.9	98.4	235
1707 008	12 x 2 x 0,5	16.6	117.6	267
1707 009	16 x 2 x 0,5	19.2	156.0	355
1707 010	18 x 2 x 0,5	20.2	175.2	389
1707 012	24 x 2 x 0,5	23.3	232.8	515
1707 013	2 x 2 x 0,75	9.6	33.6	93
1707 014	3 x 2 x 0,75	10.4	48.0	111
1707 015	4 x 2 x 0,75	11.4	62.4	135
1707 016	5 x 2 x 0,75	12.7	76.8	165
1707 017	8 x 2 x 0,75	15.0	120.0	240
1707 018	10 x 2 x 0,75	17.0	148.8	289
1707 019	12 x 2 x 0,75	17.8	177.6	331
1707 020	16 x 2 x 0,75	20.6	235.2	440

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
1707 021	2 x 2 x 1,0	10.4	43.2	115
1707 022	3 x 2 x 1,0	11.0	62.4	130
1707 023	4 x 2 x 1,0	12.3	81.6	165
1707 024	5 x 2 x 1,0	13.6	100.8	196
1707 025	8 x 2 x 1,0	16.0	158.4	287
1707 026	10 x 2 x 1,0	18.2	196.8	348
1707 027	12 x 2 x 1,0	19.4	235.2	419
1707 028	2 x 2 x 1,5	11.3	64.8	141
1707 011	3 x 2 x 1,5	12.2	93.6	171
1707 029	4 x 2 x 1,5	13.5	122.4	211
1707 030	5 x 2 x 1,5	15.0	151.2	258
1707 031	8 x 2 x 1,5	17.5	237.6	372
1707 032	10 x 2 x 1,5	20.3	295.2	473
1707 033	2 x 2 x 2,5	13.0	103.2	199
1707 034	3 x 2 x 2,5	13.8	151.2	234
1707 035	4 x 2 x 2,5	15.4	199.2	300
1707 036	5 x 2 x 2,5	17.0	247.2	360
1707 037	7 x 2 x 2,5	19.0	343.2	489
1707 038	10 x 2 x 2,5	23.5	487.2	694

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