

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

Shielded pair structure substantially 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,
- pair shields incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- shielded pairs laid-up in layers,
- 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 YKSLXSekpek-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 HKSLXSekpek-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 YvKSLXSekpek-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	70	80	90	100	120

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
1365 005	2 x 2 x 0,5	10.9	26.7	101,0
1365 006	3 x 2 x 0,5	11.5	38.8	127,5
1365 007	4 x 2 x 0,5	12.6	50.9	157,0
1365 008	5 x 2 x 0,5	13.9	63.0	187,0
1365 009	6 x 2 x 0,5	15.3	75.2	224,0
1365 010	8 x 2 x 0,5	16.3	99.4	276,0
1365 011	10 x 2 x 0,5	18.9	123.7	352,0
1365 012	12 x 2 x 0,5	19.8	147.9	405,0
1365 013	16 x 2 x 0,5	22.4	196.5	516,3
1365 014	18 x 2 x 0,5	24.0	220.7	592,0
1365 015	24 x 2 x 0,5	27.2	293.5	757,0
1365 016	2 x 2 x 0,75	11.8	43.6	125,0
1365 017	3 x 2 x 0,75	12.4	63.0	160,5
1365 018	4 x 2 x 0,75	13.7	82.5	199,0
1365 019	5 x 2 x 0,75	15.3	101.9	245,0
1365 020	8 x 2 x 0,75	17.7	160.1	355,0
1365 021	10 x 2 x 0,75	19.6	198.9	444,5
1365 022	12 x 2 x 0,75	21.6	237.8	521,0
1365 023	16 x 2 x 0,75	24.9	315.4	690,0

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
1365 024	2 x 2 x 1,0	12.1	53.4	137,5
1365 025	3 x 2 x 1,0	12.7	77.7	177,6
1365 026	4 x 2 x 1,0	14.1	102.0	222,4
1365 027	5 x 2 x 1,0	15.7	126.3	274,2
1365 028	8 x 2 x 1,0	18.3	199.2	401,1
1365 029	10 x 2 x 1,0	21.2	247.8	508,6
1365 030	12 x 2 x 1,0	22.3	296.4	590,3
1365 003	2 x 2 x 1,5	13.1	78.7	170,5
1365 031	3 x 2 x 1,5	13.8	114.4	224,5
1365 032	4 x 2 x 1,5	15.5	150.2	289,5
1365 004	5 x 2 x 1,5	17.1	185.9	348,5
1365 033	8 x 2 x 1,5	20.3	293.1	533,5
1365 034	10 x 2 x 1,5	23.6	364.6	672,5
1365 035	2 x 2 x 2,5	14.0	116.9	219,0
1365 036	3 x 2 x 2,5	15.0	171.7	302,0
1365 037	4 x 2 x 2,5	16.5	226.5	382,0
1365 038	5 x 2 x 2,5	18.2	281.4	465,0
1365 039	7 x 2 x 2,5	20.3	445.9	636,0
1365 040	10 x 2 x 2,5	25.2	555.6	903,5

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