

TECHNOKONTROL YKSLYekpek 0,6/1 kV
TECHNOKONTROL YKSLYekpek-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 YKSLYekpek 0,6/1 kV and **TECHNOKONTROL YKSLYekpek-Nr 0,6/1 kV** are multipair, pair and overall shielded cables intended for control and protection systems or 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.

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,
- PVC insulation - identification colour code according to PN-92/T-90321 (compatible with IEC 60189-2) in **TECHNOKONTROL YKSLYekpek 0,6/1 kV** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLYekpek-Nr 0,6/1 kV** cable,
- 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 YvKSLYekpek 0,6/1 kV and **TECHNOKONTROL YvKSLYekpek-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLYekpek-O 0,6/1 kV and **TECHNOKONTROL YKSLYekpek-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 YnKSLYekpek 0,6/1 kV and **TECHNOKONTROL YnKSLYekpek-Nr 0,6/1 kV** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

TECHNOKONTROL YKSLYekpek 0,6/1 kV **TECHNOKONTROL YKSLYekpek-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

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
Conductor temperature limit		Minimum bending radius	10 x cable diameter
in work conditions	+ 70°C	Cable combustibility	flame retardant
at short-circuit	+ 160°C	Combustibility tests	PN-EN 60332-1-2 , IEC 60332-1-2
		Reference standards	WT-TK-17

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
0302 019	2 x 2 x 0,5	11.5	26.7	118,5	0302 014	2 x 2 x 1,0	12.8	53.4	157,5
0302 001	3 x 2 x 0,5	12.2	38.8	152,0	0302 007	3 x 2 x 1,0	13.4	77.7	205,5
0302 027	4 x 2 x 0,5	13.4	50.9	187,5	0302 037	4 x 2 x 1,0	15.1	102.0	265,0
0302 028	5 x 2 x 0,5	15.0	63.0	231,0	0302 008	5 x 2 x 1,0	16.6	126.3	318,5
0302 024	6 x 2 x 0,5	16.3	75.2	268,5	0302 038	8 x 2 x 1,0	19.8	199.2	485,5
0302 003	8 x 2 x 0,5	17.4	99.4	333,5	0302 039	10 x 2 x 1,0	22.5	247.8	593,0
0302 029	10 x 2 x 0,5	20.2	123.7	425,5	0302 020	12 x 2 x 1,0	24.0	296.4	711,5
0302 030	12 x 2 x 0,5	21.2	147.0	490,5					
0302 031	14 x 2 x 0,5	22.6	170.4	559,0	0302 009	2 x 2 x 1,5	13.8	78.7	195,0
0302 021	16 x 2 x 0,5	24.4	196.5	649,5	0302 040	3 x 2 x 1,5	14.8	114.4	265,0
0302 032	18 x 2 x 0,5	25.7	220.7	718,0	0302 010	4 x 2 x 1,5	16.3	150.2	333,5
0302 033	24 x 2 x 0,5	29.1	293.5	921,0	0302 011	5 x 2 x 1,5	18.0	185.9	402,5
					0302 023	8 x 2 x 1,5	21.4	293.1	617,0
0302 004	2 x 2 x 0,75	12.4	43.6	144,5	0302 041	10 x 2 x 1,5	24.8	364.6	778,5
0302 034	3 x 2 x 0,75	13.2	63.0	187,0					
0302 016	4 x 2 x 0,75	14.7	82.5	239,5	0302 042	2 x 2 x 2,5	15.4	116.9	254,5
0302 035	5 x 2 x 0,75	16.2	101.9	287,0	0302 043	3 x 2 x 2,5	16.3	171.7	341,5
0302 036	8 x 2 x 0,75	19.2	160.1	436,5	0302 044	4 x 2 x 2,5	18.0	226.5	433,0
0302 018	10 x 2 x 0,75	20.9	198.9	525,0	0302 045	5 x 2 x 2,5	20.3	281.4	545,0
0302 025	12 x 2 x 0,75	23.3	237.8	637,5	0302 046	8 x 2 x 2,5	24.0	447.9	834,5
0302 026	16 x 2 x 0,75	26.4	315.4	816,0	0302 047	10 x 2 x 2,5	27.4	555.6	1024,0

Other cross-sections and pair counts available on request.

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