

TECHNOKONTROL YKSLYekw-P 0,6/1 kV
TECHNOKONTROL YKSLYekw-P-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YKSLYekw-P 0,6/1 kV and **TECHNOKONTROL YKSLYekw-P-Nr 0,6/1 kV** are multipair flexible, overall shielded cables designed for control, protection and monitoring systems or power supply, all in power engineering.

Paired structure decreases mutual influence between signals transmitted along the cable.

The cable is protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cable.

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

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 YKSLYekw-P 0,6/1 kV** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YKSLYekw-P-Nr 0,6/1 kV** cable,
- 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 YKSLYekw-P-O 0,6/1 kV and **TECHNOKONTROL YKSLYekw-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 YnKSLYekw-P 0,6/1 kV and **TECHNOKONTROL YnKSLYekw-P-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 YvKSLYekw-P 0,6/1 kV and **TECHNOKONTROL YvKSLYekw-P-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLYekw-P 0,6/1 kV **TECHNOKONTROL YKSLYekw-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	16.0

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.)
	mm ²	mm	kg/km	kg/km
0324 001	2 x 2 x 0,5	9.1	21.6	87
0324 002	3 x 2 x 0,5	9.7	31.2	100
0324 003	4 x 2 x 0,5	10.8	40.8	127
0324 004	5 x 2 x 0,5	11.9	50.4	151
0324 005	6 x 2 x 0,5	13.2	60.0	181
0324 006	7 x 2 x 0,5	13.2	69.6	199
0324 007	8 x 2 x 0,5	14.0	79.2	221
0324 009	10 x 2 x 0,5	16.1	98.4	276
0324 010	12 x 2 x 0,5	16.9	117.6	316
0324 011	14 x 2 x 0,5	18.0	136.8	358
0324 013	16 x 2 x 0,5	19.5	156.0	420
0324 014	18 x 2 x 0,5	20.5	175.2	463
0324 015	20 x 2 x 0,5	21.5	194.4	506
0324 017	24 x 2 x 0,5	23.6	232.8	612
0324 018	2 x 2 x 0,75	10.0	33.6	108
0324 045	3 x 2 x 0,75	10.5	48.0	125
0324 046	4 x 2 x 0,75	11.6	62.4	154
0324 041	5 x 2 x 0,75	12.9	76.8	188
0324 042	7 x 2 x 0,75	14.1	105.6	241
0324 039	10 x 2 x 0,75	17.3	148.8	336
0324 047	12 x 2 x 0,75	18.1	177.6	386
0324 048	14 x 2 x 0,75	19.8	206.4	459
0324 019	16 x 2 x 0,75	20.9	235.2	513
0324 049	24 x 2 x 0,75	25.4	350.4	747
0324 020	2 x 2 x 1,0	10.6	43.2	126
0324 021	3 x 2 x 1,0	11.2	62.4	146

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
0324 022	4 x 2 x 1,0	12.5	81.6	186
0324 023	5 x 2 x 1,0	13.8	100.8	222
0324 038	7 x 2 x 1,0	15.2	139.2	293
0324 025	10 x 2 x 1,0	18.8	196.8	417
0324 025	12 x 2 x 1,0	19.7	235.2	480
0324 050	14 x 2 x 1,0	21.1	273.6	547
0324 051	16 x 2 x 1,0	22.3	312.0	612
0324 052	18 x 2 x 1,0	23.9	350.4	701
0324 027	2 x 2 x 1,5	11.5	64.8	157
0324 028	3 x 2 x 1,5	12.4	93.6	189
0324 029	4 x 2 x 1,5	13.6	122.4	234
0324 030	5 x 2 x 1,5	15.2	151.2	288
0324 044	7 x 2 x 1,5	16.6	208.8	374
0324 008	10 x 2 x 1,5	20.6	295.2	532
0324 053	12 x 2 x 1,5	21.5	352.8	615
0324 054	14 x 2 x 1,5	23.4	410.4	725
0324 055	16 x 2 x 1,5	24.8	468.0	810
0324 056	2 x 2 x 2,5	13.1	103.2	211
0324 057	3 x 2 x 2,5	13.9	151.2	251
0324 043	4 x 2 x 2,5	15.6	199.2	323
0324 058	5 x 2 x 2,5	17.2	247.2	388
0324 059	7 x 2 x 2,5	19.2	343.2	529
0324 060	10 x 2 x 2,5	23.7	487.2	750
0324 061	12 x 2 x 2,5	24.8	583.2	866
0324 062	14 x 2 x 2,5	26.6	679.2	992
0324 063	16 x 2 x 2,5	28.2	775.2	1116

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