

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

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

The cable sheath is then made of special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

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 YnKSLYekw-P 0,6/1 kV** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YnKSLYekw-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) special self-extinguishing PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YnKSLYekw-P-O 0,6/1 kV and **TECHNOKONTROL YnKSLYekw-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 YnvKSLYekw-P 0,6/1 kV and **TECHNOKONTROL YnvKSLYekw-P-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YnKSLYekw-P 0,6/1 kV **TECHNOKONTROL YnKSLYekw-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 PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
		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
0537 002	2 x 2 x 0,5	9.1	21.6	87
0537 023	3 x 2 x 0,5	9.7	31.2	100
0537 019	4 x 2 x 0,5	10.8	40.8	127
0537 034	5 x 2 x 0,5	11.9	50.4	151
0537 003	6 x 2 x 0,5	13.2	60.0	181
0537 035	7 x 2 x 0,5	13.2	69.6	199
0537 004	8 x 2 x 0,5	14.0	79.2	221
0537 020	10 x 2 x 0,5	16.1	98.4	276
0537 005	12 x 2 x 0,5	16.9	117.6	316
0537 021	14 x 2 x 0,5	18.0	136.8	358
0537 018	16 x 2 x 0,5	19.5	156.0	420
0537 036	18 x 2 x 0,5	20.5	175.2	463
0537 037	20 x 2 x 0,5	21.5	194.4	506
0537 032	24 x 2 x 0,5	23.6	232.8	612
0537 007	2 x 2 x 0,75	10.0	33.6	108
0537 024	3 x 2 x 0,75	10.5	48.0	125
0537 008	4 x 2 x 0,75	11.6	62.4	154
0537 025	5 x 2 x 0,75	12.9	76.8	188
0537 038	7 x 2 x 0,75	14.1	105.6	241
0537 026	10 x 2 x 0,75	17.3	148.8	336
0537 010	12 x 2 x 0,75	18.1	177.6	386
0537 027	14 x 2 x 0,75	19.8	206.4	459
0537 011	16 x 2 x 0,75	20.9	235.2	513
0537 039	24 x 2 x 0,75	25.4	350.4	747
0537 001	2 x 2 x 1,0	10.6	43.2	126
0537 017	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
0537 013	4 x 2 x 1,0	12.5	81.6	186
0537 040	5 x 2 x 1,0	13.8	100.8	222
0537 015	7 x 2 x 1,0	15.2	139.2	293
0537 041	10 x 2 x 1,0	18.8	196.8	417
0537 014	12 x 2 x 1,0	19.7	235.2	480
0537 016	14 x 2 x 1,0	21.1	273.6	547
0537 042	16 x 2 x 1,0	22.3	312.0	612
0537 043	18 x 2 x 1,0	23.9	350.4	701
0537 033	2 x 2 x 1,5	11.5	64.8	157
0537 044	3 x 2 x 1,5	12.4	93.6	189
0537 012	4 x 2 x 1,5	13.6	122.4	234
0537 045	5 x 2 x 1,5	15.2	151.2	288
0537 046	7 x 2 x 1,5	16.6	208.8	374
0537 047	10 x 2 x 1,5	20.6	295.2	532
0537 048	12 x 2 x 1,5	21.5	352.8	615
0537 049	14 x 2 x 1,5	23.4	410.4	725
0537 050	16 x 2 x 1,5	24.8	468.0	810
0537 051	2 x 2 x 2,5	13.1	103.2	211
0537 052	3 x 2 x 2,5	13.9	151.2	251
0537 053	4 x 2 x 2,5	15.6	199.2	323
0537 054	5 x 2 x 2,5	17.2	247.2	388
0537 055	7 x 2 x 2,5	19.2	343.2	529
0537 056	10 x 2 x 2,5	23.7	487.2	750
0537 057	12 x 2 x 2,5	24.8	583.2	866
0537 058	14 x 2 x 2,5	26.6	679.2	992
0537 059	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.