

TECHNOKONTROL YnKSLYekw-P 300/500 V
TECHNOKONTROL YnKSLYekw-P-Nr 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YnKSLYekw-P 300/500 V and **TECHNOKONTROL YnKSLYekw-P-Nr 300/500 V** 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 300/500 V** cable; black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOKONTROL YnKSLYekw-P-Nr 300/500 V** 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 300/500 V and **TECHNOKONTROL YnKSLYekw-P-Nr-O 300/500 V** - 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 300/500 V and **TECHNOKONTROL YnvKSLYekw-P-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YnKSLYekw-P 300/500 V **TECHNOKONTROL YnKSLYekw-P-Nr 300/500 V**

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	300/500 V	Operating temperature range	
Voltage test	3.0 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	+ 150°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
0637 001	2 x 2 x 0,5	7.1	21.6	58
0637 020	3 x 2 x 0,5	7.5	31.2	68
0637 002	4 x 2 x 0,5	8.3	40.8	83
0637 024	5 x 2 x 0,5	9.1	50.4	99
0637 003	6 x 2 x 0,5	10.3	60.0	125
0637 025	7 x 2 x 0,5	10.3	69.6	138
0637 006	8 x 2 x 0,5	11.0	79.2	154
0637 018	10 x 2 x 0,5	12.7	98.4	192
0637 019	12 x 2 x 0,5	13.2	117.6	220
0637 026	14 x 2 x 0,5	14.3	136.8	257
0637 021	16 x 2 x 0,5	15.2	156.0	288
0637 027	18 x 2 x 0,5	15.9	175.2	317
0637 028	20 x 2 x 0,5	16.7	194.4	347
0637 029	24 x 2 x 0,5	18.1	232.8	406
0637 030	25 x 2 x 0,5	18.6	242.4	429
0637 031	30 x 2 x 0,5	20.1	290.4	502
0637 032	31 x 2 x 0,5	20.4	300.0	517
0637 033	33 x 2 x 0,5	21.0	319.2	546
0637 034	2 x 2 x 0,75	7.7	33.6	76
0637 035	3 x 2 x 0,75	8.2	48.0	86
0637 036	4 x 2 x 0,75	9.0	62.4	107
0637 037	5 x 2 x 0,75	10.3	76.8	138
0637 038	7 x 2 x 0,75	11.2	105.6	176
0637 039	10 x 2 x 0,75	13.8	148.8	247
0637 040	12 x 2 x 0,75	14.7	177.6	292
0637 041	14 x 2 x 0,75	15.7	206.4	333
0637 042	16 x 2 x 0,75	16.6	235.2	373
0637 043	24 x 2 x 0,75	20.0	350.4	539
0637 044	27 x 2 x 0,75	21.0	393.6	598
0637 005	2 x 2 x 1,0	8.3	43.2	88

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
0637 007	3 x 2 x 1,0	8.8	62.4	104
0637 014	4 x 2 x 1,0	10.1	81.6	140
0637 015	5 x 2 x 1,0	11.1	100.8	167
0637 008	7 x 2 x 1,0	12.4	139.2	223
0637 011	10 x 2 x 1,0	15.2	196.8	312
0637 009	12 x 2 x 1,0	15.9	235.2	360
0637 023	14 x 2 x 1,0	17.0	273.6	411
0637 045	16 x 2 x 1,0	18.0	312.0	462
0637 013	24 x 2 x 1,0	21.7	465.6	672
0637 022	2 x 2 x 1,5	9.3	64.8	112
0637 046	3 x 2 x 1,5	10.2	93.6	147
0637 047	4 x 2 x 1,5	11.2	122.4	183
0637 048	5 x 2 x 1,5	12.6	151.2	226
0637 049	7 x 2 x 1,5	13.7	208.8	294
0637 050	10 x 2 x 1,5	16.9	295.2	413
0637 051	12 x 2 x 1,5	17.7	352.8	480
0637 052	14 x 2 x 1,5	19.1	410.4	558
0637 053	16 x 2 x 1,5	20.3	468.0	629
0637 054	20 x 2 x 1,5	22.6	583.2	778
0637 055	2 x 2 x 2,5	11.1	103.2	167
0637 056	3 x 2 x 2,5	12.0	151.2	213
0637 004	4 x 2 x 2,5	13.2	199.2	268
0637 057	5 x 2 x 2,5	14.8	247.2	331
0637 058	7 x 2 x 2,5	16.1	343.2	436
0637 059	10 x 2 x 2,5	19.8	487.2	613
0637 060	12 x 2 x 2,5	20.8	583.2	717
0637 061	14 x 2 x 2,5	22.3	679.2	823
0637 062	16 x 2 x 2,5	23.8	775.2	937

Other cross-sections and pair counts available on request.

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