

TECHNOKONTROL YKSLYekpekW 300/500 V
TECHNOKONTROL YKSLYekpekW-Nr 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES**Operating voltage
300/500 VTest voltage
3 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
applicationEMC
Electromagnetic
compatibility**APPLICATIONS**

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

TECHNOKONTROL YKSLYekpekW-O 300/500 V and **TECHNOKONTROL YKSLYekpekW-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 YnKSLYekpekW 300/500 V and **TECHNOKONTROL YnKSLYekpekW-Nr 300/500 V** - 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 YKSLYekpekw 300/500 V TECHNOKONTROL YKSLYekpekw-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	15.96

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
		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
0303 005	2 x 2 x 0,5	8.4	26.7	78,5
0303 035	3 x 2 x 0,5	8.9	38.8	101,0
0303 007	4 x 2 x 0,5	9.7	50.9	125,5
0303 008	5 x 2 x 0,5	11.1	63.0	160,0
0303 025	6 x 2 x 0,5	12.0	75.2	186,0
0303 009	8 x 2 x 0,5	12.8	99.4	230,5
0303 036	10 x 2 x 0,5	14.7	123.7	287,5
0303 010	12 x 2 x 0,5	15.4	147.0	333,0
0303 032	14 x 2 x 0,5	16.4	170.4	379,5
0303 011	16 x 2 x 0,5	17.3	196.5	426,5
0303 037	18 x 2 x 0,5	18.2	220.7	473,5
0303 012	24 x 2 x 0,5	21.1	293.5	629,5
0303 001	2 x 2 x 0,75	9.3	43.6	101,0
0303 002	3 x 2 x 0,75	10.2	63.0	142,0
0303 021	4 x 2 x 0,75	11.2	82.5	175,5
0303 038	5 x 2 x 0,75	12.3	101.9	210,5
0303 024	8 x 2 x 0,75	14.4	160.1	313,5
0303 033	10 x 2 x 0,75	16.4	198.9	382,5
0303 039	12 x 2 x 0,75	17.1	237.8	445,0
0303 040	16 x 2 x 0,75	19.8	315.4	591,5

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
0303 003	2 x 2 x 1,0	9.5	53.4	112,0
0303 014	3 x 2 x 1,0	10.6	77.7	159,5
0303 022	4 x 2 x 1,0	11.6	102.0	199,0
0303 004	5 x 2 x 1,0	12.8	126.3	239,5
0303 016	8 x 2 x 1,0	15.0	199.2	359,5
0303 020	10 x 2 x 1,0	17.0	247.8	439,0
0303 017	12 x 2 x 1,0	17.8	296.4	513,0
0303 023	2 x 2 x 1,5	11.8	78.7	166,5
0303 027	3 x 2 x 1,5	12.3	114.4	219,0
0303 018	4 x 2 x 1,5	13.7	150.2	276,5
0303 019	5 x 2 x 1,5	15.3	185.9	341,5
0303 041	8 x 2 x 1,5	17.7	293.1	506,0
0303 042	10 x 2 x 1,5	20.6	364.6	640,0
0303 043	2 x 2 x 2,5	13.1	116.9	216,0
0303 044	3 x 2 x 2,5	13.8	171.7	292,0
0303 045	4 x 2 x 2,5	15.5	226.5	378,0
0303 034	5 x 2 x 2,5	17.1	281.4	459,0
0303 046	8 x 2 x 2,5	20.3	447.9	708,5
0303 047	10 x 2 x 2,5	23.6	555.6	892,0

Other cross-sections and pair counts available on request.

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