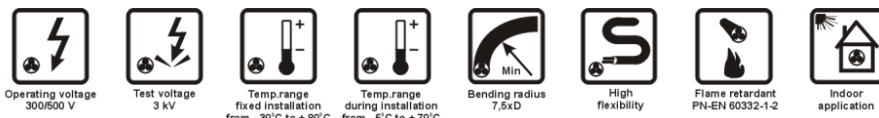


TECHNOFLEKS LiYY-P 300/500 V
TECHNOFLEKS LiYY-P-Nr 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOFLEKS LiYY-P 300/500 V and **TECHNOFLEKS LiYY-P-Nr 300/500 V** are multipair flexible 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 and reduces influence of outer sources of interference.

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 in accordance with DIN VDE 47100 in **TECHNOFLEKS LiYY-P 300/500 V**, black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOFLEKS LiYY-P-Nr 300/500 V**,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOFLEKS LiYY-P-O 300/500 V and **TECHNOFLEKS LiYY-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.

TECHNOFLEKS LiY11Y-P 300/500 V and **TECHNOFLEKS LiY11Y-P-Nr 300/500 V** - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

TECHNOFLEKS LiHH-P 300/500 V and **TECHNOFLEKS LiHH-P-Nr 300/500 V** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOFLEKS LiYYv-P 300/500 V and **TECHNOFLEKS LiYYv-P-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOFLEKS LIYY-P 300/500 V **TECHNOFLEKS LIYY-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 _o /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	7.5 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	DIN VDE 0245, DIN VDE 0250, DIN VDE 0281

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
1065 001	2 x 2 x 0,5	7.0	19.2	53
1065 002	3 x 2 x 0,5	7.4	28.8	63
1065 003	4 x 2 x 0,5	8.2	38.4	79
1065 004	5 x 2 x 0,5	9.0	48.0	94
1065 005	6 x 2 x 0,5	10.2	57.6	120
1065 006	7 x 2 x 0,5	10.2	67.2	133
1065 007	8 x 2 x 0,5	10.9	76.8	148
1065 008	10 x 2 x 0,5	12.6	96.0	187
1065 009	12 x 2 x 0,5	13.1	115.2	214
1065 010	16 x 2 x 0,5	15.1	153.6	282
1065 011	18 x 2 x 0,5	15.8	172.8	311
1065 012	20 x 2 x 0,5	16.6	192.0	340
1065 013	25 x 2 x 0,5	18.5	240.0	422
1065 014	30 x 2 x 0,5	20.0	288.0	494
1065 015	40 x 2 x 0,5	22.9	384.0	647
1065 016	50 x 2 x 0,5	25.4	480.0	787
1065 017	2 x 2 x 0,75	7.6	28.8	69
1065 018	3 x 2 x 0,75	8.1	43.2	80
1065 019	4 x 2 x 0,75	8.9	57.6	100
1065 020	5 x 2 x 0,75	10.2	72.0	131
1065 021	6 x 2 x 0,75	11.1	86.4	152
1065 022	7 x 2 x 0,75	11.1	100.8	169
1065 023	8 x 2 x 0,75	12.1	115.2	196
1065 024	10 x 2 x 0,75	13.7	144.0	239
1065 025	12 x 2 x 0,75	14.6	172.8	284
1065 026	16 x 2 x 0,75	16.5	230.4	364
1065 027	20 x 2 x 0,75	18.4	288.0	452
1065 028	2 x 2 x 1,0	8.2	38.4	81
1065 029	3 x 2 x 1,0	8.7	57.6	97
1065 030	4 x 2 x 1,0	10.0	76.8	133
1065 031	5 x 2 x 1,0	11.0	96.0	160
1065 032	6 x 2 x 1,0	12.3	115.2	193
1065 033	7 x 2 x 1,0	12.3	134.4	215

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
1065 034	8 x 2 x 1,0	13.1	153.6	242
1065 035	10 x 2 x 1,0	15.1	192.0	303
1065 036	12 x 2 x 1,0	15.8	230.4	352
1065 037	14 x 2 x 1,0	16.9	268.8	402
1065 038	16 x 2 x 1,0	17.9	307.2	453
1065 039	18 x 2 x 1,0	19.0	345.6	512
1065 040	20 x 2 x 1,0	19.9	384.0	562
1065 041	2 x 2 x 1,5	9.2	57.6	103
1065 042	3 x 2 x 1,5	10.1	86.4	138
1065 043	4 x 2 x 1,5	11.1	115.2	173
1065 044	5 x 2 x 1,5	12.5	144.0	216
1065 045	6 x 2 x 1,5	13.6	172.8	253
1065 046	7 x 2 x 1,5	13.6	201.6	284
1065 047	8 x 2 x 1,5	14.7	230.4	328
1065 048	10 x 2 x 1,5	16.8	288.0	402
1065 049	12 x 2 x 1,5	17.6	345.6	468
1065 050	14 x 2 x 1,5	19.0	403.2	547
1065 051	16 x 2 x 1,5	20.2	460.8	617
1065 052	18 x 2 x 1,5	21.3	518.4	686
1065 053	20 x 2 x 1,5	22.3	576.0	754
1065 054	2 x 2 x 2,5	11.0	96.0	158
1065 055	3 x 2 x 2,5	11.7	144.0	198
1065 056	4 x 2 x 2,5	13.1	192.0	258
1065 057	5 x 2 x 2,5	14.7	240.0	321
1065 058	6 x 2 x 2,5	16.0	288.0	377
1065 059	7 x 2 x 2,5	16.0	336.0	426
1065 060	8 x 2 x 2,5	17.1	384.0	481
1065 061	10 x 2 x 2,5	19.7	480.0	602
1065 062	12 x 2 x 2,5	20.7	576.0	704
1065 063	14 x 2 x 2,5	22.2	672.0	810
1065 064	16 x 2 x 2,5	23.7	768.0	924

Other cross-sections and pair counts available on request.

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