

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

TECHNOFLEKS LiYCY-P 0,6/1 kV and **TECHNOFLEKS LiYCY-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 overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

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 LiYCY-P 0,6/1 kV**, black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOFLEKS LiYCY-P-Nr 0,6/1 kV**,
- insulated conductors twisted into pairs,
- pairs laid-up in layers,
- cable core wrapped in polyester tape,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOFLEKS LiYCEY-P 0,6/1 kV and **TECHNOFLEKS LiYCEY-P-Nr 0,6/1 kV** - cables with flexible drain wire stranded of tin-plated annealed copper wires, laid under a shield.

TECHNOFLEKS LiYCY-P-O 0,6/1 kV and **TECHNOFLEKS LiYCY-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.

TECHNOFLEKS LiYC11Y-P 0,6/1 kV and **TECHNOFLEKS LiYC11Y-P-Nr 0,6/1 kV** - polyurethane sheathed cables of enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

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

TECHNOFLEKS LIYCY-P 0,6/1 kV TECHNOFLEKS LIYCY-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		for fixed installation		
Voltage test	3.5 kV rms			for movable installation		
Insulation resistance, minimum	20 MΩ·km	Minimum bending radius		10 x cable diameter		
Conductor temperature limit		Cable combustibility		flame retardant		
in work conditions	+ 70°C	Combustibility tests		PN-EN 60332-1-2, IEC 60332-1-2		
at short-circuit	+ 160°C	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
0668 001	2 x 2 x 0,5	9.5	38.7	103
0668 004	3 x 2 x 0,5	10.3	50.5	122
0668 007	4 x 2 x 0,5	11.2	61.8	146
0668 008	5 x 2 x 0,5	12.5	74.2	179
0668 009	6 x 2 x 0,5	13.6	86.6	205
0668 010	7 x 2 x 0,5	13.6	96.2	223
0668 011	8 x 2 x 0,5	14.6	107.9	254
0668 012	10 x 2 x 0,5	16.6	139.4	314
0668 013	12 x 2 x 0,5	17.4	161.1	355
0668 014	14 x 2 x 0,5	18.9	183.6	419
0668 015	16 x 2 x 0,5	20.0	206.3	466
0668 016	18 x 2 x 0,5	21.0	228.6	511
0668 017	2 x 2 x 0,75	10.4	50.5	124
0668 018	3 x 2 x 0,75	10.9	65.8	142
0668 019	4 x 2 x 0,75	12.2	83.0	179
0668 020	5 x 2 x 0,75	13.3	100.3	210
0668 006	6 x 2 x 0,75	14.7	117.8	250
0668 021	7 x 2 x 0,75	14.7	132.2	273
0668 022	8 x 2 x 0,75	15.7	155.8	310
0668 023	10 x 2 x 0,75	17.8	191.1	375
0668 024	12 x 2 x 0,75	19.0	222.3	445
0668 025	14 x 2 x 0,75	20.3	255.2	503
0668 002	2 x 2 x 1,0	11.0	61.3	143
0668 005	3 x 2 x 1,0	11.6	82.0	164

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
0668 026	4 x 2 x 1,0	12.9	104.0	207
0668 027	5 x 2 x 1,0	14.4	126.6	253
0668 003	6 x 2 x 1,0	15.7	155.8	298
0668 028	7 x 2 x 1,0	15.7	175.0	327
0668 029	8 x 2 x 1,0	16.7	197.3	364
0668 030	10 x 2 x 1,0	19.3	242.5	460
0668 031	12 x 2 x 1,0	20.2	283.7	524
0668 032	14 x 2 x 1,0	21.6	326.4	594
0668 033	2 x 2 x 1,5	11.9	82.8	174
0668 034	3 x 2 x 1,5	12.8	113.5	208
0668 035	4 x 2 x 1,5	14.0	145.3	256
0668 036	5 x 2 x 1,5	15.7	184.6	320
0668 037	6 x 2 x 1,5	17.1	217.7	371
0668 038	7 x 2 x 1,5	17.1	246.5	409
0668 039	8 x 2 x 1,5	18.2	278.7	457
0668 040	10 x 2 x 1,5	21.1	344.0	577
0668 041	2 x 2 x 2,5	13.5	124.8	231
0668 042	3 x 2 x 2,5	14.5	174.9	280
0668 043	4 x 2 x 2,5	16.1	233.8	355
0668 044	5 x 2 x 2,5	17.7	286.8	425
0668 045	6 x 2 x 2,5	19.7	339.7	515
0668 046	7 x 2 x 2,5	19.7	387.7	571
0668 047	8 x 2 x 2,5	20.9	439.4	639

Other cross-sections and pair counts available on request.

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