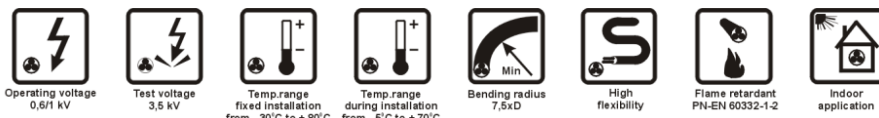


TECHNOFLEKS LiYY-P 0,6/1 kV
TECHNOFLEKS LiYY-P-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOFLEKS LiYY-P 0,6/1 kV and **TECHNOFLEKS LiYY-P-Nr 0,6/1 kV** 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 0,6/1 kV**, black and brown PVC insulation and white pair numbers printed on it for identification in **TECHNOFLEKS LiYY-P-Nr 0,6/1 kV**,
- 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 0,6/1 kV and **TECHNOFLEKS LiYY-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 LiY11Y-P 0,6/1 kV and **TECHNOFLEKS LiY11Y-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 LiHH-P 0,6/1 kV and **TECHNOFLEKS LiHH-P-Nr 0,6/1 kV** - 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 0,6/1 kV and **TECHNOFLEKS LiYYv-P-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOFLEKS LiYY-P 0,6/1 kV **TECHNOFLEKS LiYY-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	7.5 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
		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
0475 004	2 x 2 x 0,5	9.0	19.2	82
0475 005	3 x 2 x 0,5	9.6	28.8	95
0475 006	4 x 2 x 0,5	10.7	38.4	122
0475 007	5 x 2 x 0,5	11.8	48.0	145
0475 008	6 x 2 x 0,5	13.1	57.6	175
0475 009	7 x 2 x 0,5	13.1	67.2	193
0475 010	8 x 2 x 0,5	13.9	76.8	215
0475 011	10 x 2 x 0,5	16.0	96.0	269
0475 012	12 x 2 x 0,5	16.8	115.2	309
0475 013	16 x 2 x 0,5	19.4	153.6	413
0475 014	18 x 2 x 0,5	20.4	172.8	455
0475 015	20 x 2 x 0,5	21.4	192.0	497
0475 016	25 x 2 x 0,5	24.0	240.0	625
0475 017	30 x 2 x 0,5	25.9	288.0	727
0475 018	40 x 2 x 0,5	29.5	384.0	932
0475 019	50 x 2 x 0,5	32.8	480.0	1149
0475 002	2 x 2 x 0,75	9.7	28.8	96
0475 020	3 x 2 x 0,75	10.4	43.2	118
0475 021	4 x 2 x 0,75	11.5	57.6	146
0475 003	5 x 2 x 0,75	12.8	72.0	181
0475 022	6 x 2 x 0,75	14.0	86.4	210
0475 023	7 x 2 x 0,75	14.0	100.8	233
0475 001	8 x 2 x 0,75	15.1	115.2	268
0475 024	10 x 2 x 0,75	17.2	144.0	327
0475 025	12 x 2 x 0,75	18.0	172.8	376
0475 026	16 x 2 x 0,75	20.8	230.4	503
0475 027	20 x 2 x 0,75	23.3	288.0	631
0475 028	2 x 2 x 1,0	10.5	38.4	119
0475 029	3 x 2 x 1,0	11.1	57.6	138
0475 030	4 x 2 x 1,0	12.4	76.8	178
0475 031	5 x 2 x 1,0	13.7	96.0	214
0475 032	6 x 2 x 1,0	15.1	115.2	256

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
0475 033	7 x 2 x 1,0	15.1	134.4	285
0475 034	8 x 2 x 1,0	16.1	153.6	319
0475 035	10 x 2 x 1,0	18.3	192.0	389
0475 036	12 x 2 x 1,0	19.6	230.4	470
0475 037	14 x 2 x 1,0	21.0	268.8	537
0475 038	16 x 2 x 1,0	22.2	307.2	602
0475 039	18 x 2 x 1,0	23.8	345.6	690
0475 040	20 x 2 x 1,0	24.9	384.0	754
0475 041	2 x 2 x 1,5	11.4	57.6	148
0475 042	3 x 2 x 1,5	12.3	86.4	180
0475 043	4 x 2 x 1,5	13.5	115.2	224
0475 044	5 x 2 x 1,5	15.1	144.0	278
0475 045	6 x 2 x 1,5	16.5	172.8	324
0475 046	7 x 2 x 1,5	16.5	201.6	363
0475 047	8 x 2 x 1,5	17.6	230.4	408
0475 048	10 x 2 x 1,5	20.5	288.0	520
0475 049	12 x 2 x 1,5	21.4	345.6	602
0475 050	14 x 2 x 1,5	23.3	403.2	712
0475 051	16 x 2 x 1,5	24.7	460.8	797
0475 052	18 x 2 x 1,5	26.0	518.4	884
0475 053	20 x 2 x 1,5	27.3	576.0	971
0475 054	2 x 2 x 2,5	13.0	96.0	201
0475 055	3 x 2 x 2,5	13.8	144.0	241
0475 056	4 x 2 x 2,5	15.5	192.0	312
0475 057	5 x 2 x 2,5	17.1	240.0	377
0475 058	6 x 2 x 2,5	19.1	288.0	461
0475 059	7 x 2 x 2,5	19.1	336.0	517
0475 060	8 x 2 x 2,5	20.3	384.0	582
0475 061	10 x 2 x 2,5	23.6	480.0	737
0475 062	12 x 2 x 2,5	24.7	576.0	853
0475 063	14 x 2 x 2,5	26.5	672.0	978
0475 064	16 x 2 x 2,5	28.1	768.0	1102

Other cross-sections and pair counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.