

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

TECHNOFLEKS LiYCY-Nr 0,6/1 kV and **TECHNOFLEKS LiYCYżo-Nr 0,6/1 kV** are flexible, overall shielded cables designed for wet or dry locations and intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The overall shield protects the cables against external electromagnetic interferences and prevents emission of interferences produced in the cables.

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,
- black PVC insulation and white conductor numbers printed on it for identification, additional green-yellow protective conductor in **TECHNOFLEKS LiYCYżo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOFLEKS LiYCYżo-Nr 0,6/1 kV** cable,
- 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 LiYCY-Nr-O 0,6/1 kV and **TECHNOFLEKS LiYCYżo-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-Nr 0,6/1 kV and **TECHNOFLEKS LiYC11Yżo-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 LiHCH-Nr 0,6/1 kV and **TECHNOFLEKS LiHCHżo-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 LiYCYv-Nr 0,6/1 kV and **TECHNOFLEKS LiYCYvżo-Nr 0,6/1 kV** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOFLEKS LiYCY-Nr 0,6/1 kV TECHNOFLEKS LiYCYżo-Nr 0,6/1 kV

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5	4.0
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95
Conductor cross-section	mm ²	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	3.30	1.91	1.21	0.780	0.554	0.386

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	10 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 conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0124 054	1 x 0,5	4.3	9.6	30
0124 011	2 x 0,5	6.5	19.3	53
0124 055	3 x 0,5	6.8	24.2	63
0124 001	4 x 0,5	7.3	30.0	75
0124 056	5 x 0,5	8.0	36.2	92
0124 002	6 x 0,5	8.7	46.2	112
0124 057	7 x 0,5	8.7	51.0	114
0124 002	8 x 0,5	9.3	57.4	131
0124 058	10 x 0,5	11.0	70.9	161
0124 035	12 x 0,5	11.3	81.2	181
0124 059	14 x 0,5	11.9	92.4	203
0124 060	16 x 0,5	12.7	103.9	234
0124 049	18 x 0,5	13.4	114.9	260
0124 061	19 x 0,5	13.4	119.7	263
0124 062	21 x 0,5	14.0	130.9	289
0124 063	24 x 0,5	15.8	156.1	338
0124 064	25 x 0,5	16.1	161.8	362
0124 065	27 x 0,5	16.1	171.4	367
0124 066	30 x 0,5	16.7	187.7	399
0124 067	34 x 0,5	17.9	210.6	463
0124 068	36 x 0,5	17.9	220.2	468
0124 069	37 x 0,5	17.9	225.0	471
0124 070	40 x 0,5	19.0	241.5	526
0124 071	41 x 0,5	19.6	248.2	558
0124 072	1 x 0,75	4.5	12.6	34
0124 004	2 x 0,75	6.8	24.2	59
0124 032	3 x 0,75	7.2	32.2	73
0124 044	4 x 0,75	7.8	40.6	89
0124 073	5 x 0,75	8.5	52.9	111
0124 074	6 x 0,75	9.2	62.2	132
0124 075	7 x 0,75	9.2	69.4	135
0124 003	8 x 0,75	10.1	78.1	161

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0124 045	10 x 0,75	11.7	96.6	191
0124 046	12 x 0,75	12.3	112.1	222
0124 047	14 x 0,75	12.9	128.0	250
0124 048	16 x 0,75	13.6	144.2	281
0124 076	18 x 0,75	14.5	160.5	320
0124 077	19 x 0,75	14.5	167.7	324
0124 078	21 x 0,75	15.3	190.6	364
0124 042	24 x 0,75	16.9	217.1	407
0124 079	25 x 0,75	17.2	225.2	435
0124 080	27 x 0,75	17.2	239.6	443
0124 027	30 x 0,75	17.8	263.1	482
0124 081	34 x 0,75	19.6	296.2	581
0124 082	1 x 1,0	4.7	16.0	38
0124 005	2 x 1,0	7.2	29.8	67
0124 013	3 x 1,0	7.6	40.2	84
0124 010	4 x 1,0	8.3	54.8	106
0124 025	5 x 1,0	9.0	67.0	130
0124 015	6 x 1,0	10.0	77.8	157
0124 008	7 x 1,0	10.0	87.4	163
0124 022	8 x 1,0	10.7	98.9	188
0124 009	10 x 1,0	12.7	123.1	231
0124 008	12 x 1,0	13.0	142.7	261
0124 052	14 x 1,0	13.7	163.7	294
0124 016	16 x 1,0	14.6	184.7	339
0124 039	18 x 1,0	15.5	212.8	384
0124 033	19 x 1,0	15.5	222.4	390
0124 083	21 x 1,0	16.2	243.7	430
0124 084	24 x 1,0	17.9	277.8	482
0124 085	25 x 1,0	18.3	288.6	515
0124 086	27 x 1,0	18.3	307.8	527
0124 087	30 x 1,0	19.4	338.8	595

TECHNOFLEKS LiYCY-Nr 0,6/1 kV **TECHNOFLEKS LiYCYżo-Nr 0,6/1 kV**

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0124 088	1 x 1,5	5.0	20.8	44
0124 006	2 x 1,5	7.7	40.4	81
0124 019	3 x 1,5	8.1	55.6	102
0124 030	4 x 1,5	9.0	76.6	131
0124 031	5 x 1,5	10.0	92.2	165
0124 021	6 x 1,5	10.8	108.7	195
0124 012	7 x 1,5	10.8	123.1	203
0124 023	8 x 1,5	11.6	139.6	235
0124 014	10 x 1,5	13.7	173.3	287
0124 038	12 x 1,5	14.4	203.4	336
0124 051	14 x 1,5	15.1	234.0	379
0124 024	16 x 1,5	16.0	271.9	435
0124 089	18 x 1,5	16.8	303.1	485
0124 034	19 x 1,5	16.8	317.5	494
0124 090	21 x 1,5	17.6	348.8	545
0124 041	24 x 1,5	20.0	398.3	633
0124 026	25 x 1,5	20.4	413.9	676
0124 091	1 x 2,5	5.4	32.1	56
0124 040	2 x 2,5	8.7	65.4	108
0124 020	3 x 2,5	9.2	91.0	139
0124 018	4 x 2,5	10.2	116.7	176
0124 037	5 x 2,5	11.1	143.1	217
0124 028	6 x 2,5	12.3	169.7	264
0124 029	7 x 2,5	12.3	193.7	278
0124 092	8 x 2,5	13.2	220.0	322
0124 093	10 x 2,5	15.8	280.9	401
0124 094	12 x 2,5	16.3	330.4	459
0124 053	14 x 2,5	17.1	380.9	521
0124 095	16 x 2,5	18.0	431.9	590
0124 096	18 x 2,5	19.4	482.8	679
0124 097	2 x 4,0	10.3	98.5	154

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0124 098	3 x 4,0	10.9	137.8	201
0124 050	4 x 4,0	11.9	178.8	251
0124 099	5 x 4,0	13.2	220.0	318
0124 100	7 x 4,0	14.5	299.7	410
0124 101	3 x 6,0	12.3	198.5	271
0124 102	4 x 6,0	13.4	258.9	340
0124 103	5 x 6,0	14.9	319.9	432
0124 104	7 x 6,0	16.4	446.0	561
0124 105	3 x 10,0	15.1	320.4	429
0124 106	4 x 10,0	16.6	427.4	553
0124 107	5 x 10,0	18.3	528.6	693
0124 108	7 x 10,0	20.4	725.9	918
0124 109	3 x 16,0	17.5	506.9	627
0124 110	4 x 16,0	19.7	666.1	824
0124 111	5 x 16,0	21.6	825.6	1033
0124 112	7 x 16,0	24.2	1162.0	1395
0124 113	3 x 25,0	21.3	776.7	928
0124 114	4 x 25,0	24.1	1046.4	1242
0124 115	5 x 25,0	26.5	1296.5	1555
0124 116	3 x 35,0	24.4	1095.7	1263
0124 117	4 x 35,0	27.0	1467.9	1647
0124 118	5 x 35,0	29.8	1818.7	2071
0124 119	3 x 50,0	29.9	1579.1	1824
0124 120	4 x 50,0	33.2	2075.6	2371
0124 121	5 x 50,0	36.9	2600.9	3014

Other cross-sections and conductor counts available on request.

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