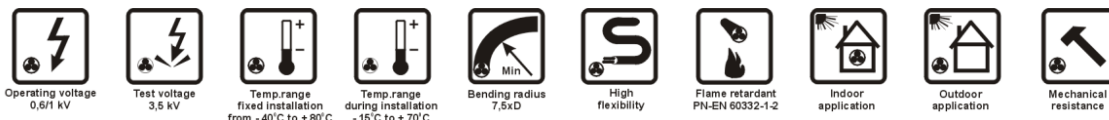


TECHNOFLEKS LiY11Y-Nr 0,6/1 kV
TECHNOFLEKS LiY11Yżo-Nr 0,6/1 kV**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOFLEKS LiY11Y-Nr 0,6/1 kV and **TECHNOFLEKS LiY11Yżo-Nr 0,6/1 kV** are flexible 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.

Polyurethane sheath offers enhanced protection against mechanical damage, particularly to abrasion and tear, also resistant to oils, petrol, bacteria and ultraviolet radiation.

The cables are designed to offer high flexibility combined with tensile strength.

Cables are dedicated to work in heavy duty conditions.

The cables are suitable for indoor and outdoor installations connecting fixed and movable equipment.

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 LiY11Yżo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOFLEKS LiY11Yżo-Nr 0,6/1 kV** cable,
- polyurethane cable sheath, grey RAL 7001, other colours also available.

TECHNOFLEKS LiY11Y-Nr 0,6/1 kV **TECHNOFLEKS LiY11Yżo-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 for fixed installation for movable installation	from - 40 to + 80°C from - 15 to + 70°C
Voltage test	3.5 kV rms	Minimum bending radius	7.5 x cable diameter
Insulation resistance, minimum	20 MΩ·km	Cable combustibility	flame retardant
Conductor temperature limit in work conditions at short-circuit	+ 70°C + 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
0809 010	2 x 0,5	6.4	9.6	54
0809 011	3 x 0,5	6.7	14.4	62
0809 012	4 x 0,5	7.2	19.2	72
0809 013	5 x 0,5	7.9	24.0	88
0809 014	6 x 0,5	8.5	28.8	103
0809 015	7 x 0,5	8.5	33.6	106
0809 016	8 x 0,5	9.1	38.4	122
0809 017	10 x 0,5	10.6	48.0	148
0809 018	12 x 0,5	10.9	57.6	165
0809 019	14 x 0,5	11.5	67.2	186
0809 020	16 x 0,5	12.1	76.8	209
0809 021	18 x 0,5	12.8	86.4	234
0809 022	19 x 0,5	12.8	91.2	237
0809 023	21 x 0,5	13.4	100.8	261
0809 024	24 x 0,5	15.1	115.2	302
0809 025	27 x 0,5	15.4	129.6	329
0809 026	30 x 0,5	16.0	144.0	358
0809 027	36 x 0,5	17.2	172.8	423
0809 028	37 x 0,5	17.2	177.6	426
0809 029	44 x 0,5	19.7	211.2	520
0809 030	48 x 0,5	20.1	230.4	557
0809 031	52 x 0,5	20.6	249.6	594
0809 032	56 x 0,5	21.2	268.8	636
0809 033	60 x 0,5	21.9	288.0	679
0809 034	2 x 0,75	6.7	14.4	61
0809 035	3 x 0,75	7.1	21.6	72
0809 036	4 x 0,75	7.7	28.8	86
0809 037	5 x 0,75	8.3	36.0	104
0809 038	6 x 0,75	9.0	43.2	123
0809 039	7 x 0,75	9.0	50.4	127
0809 040	8 x 0,75	9.7	57.6	146
0809 041	10 x 0,75	11.3	72.0	178

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
0809 042	12 x 0,75	11.7	86.4	201
0809 043	14 x 0,75	12.3	100.8	226
0809 044	16 x 0,75	13.0	115.2	256
0809 045	18 x 0,75	13.7	129.6	286
0809 046	19 x 0,75	13.7	136.8	290
0809 047	21 x 0,75	14.6	151.2	327
0809 048	24 x 0,75	16.2	172.8	370
0809 049	27 x 0,75	16.5	194.4	403
0809 050	30 x 0,75	17.1	216.0	440
0809 051	36 x 0,75	18.9	259.2	539
0809 052	37 x 0,75	18.9	266.4	543
0809 053	44 x 0,75	21.2	316.8	641
0809 054	48 x 0,75	21.5	345.6	686
0809 055	52 x 0,75	22.1	374.4	734
0809 056	56 x 0,75	23.2	403.2	807
0809 057	60 x 0,75	23.9	432.0	861
0809 058	2 x 1,0	7.1	19.2	71
0809 059	3 x 1,0	7.5	28.8	84
0809 060	4 x 1,0	8.1	38.4	100
0809 061	5 x 1,0	8.8	48.0	122
0809 062	6 x 1,0	9.6	57.6	145
0809 063	7 x 1,0	9.6	67.2	151
0809 064	8 x 1,0	10.3	76.8	173
0809 065	10 x 1,0	12.1	96.0	212
0809 066	12 x 1,0	12.4	115.2	239
0809 067	14 x 1,0	13.1	134.4	270
0809 068	16 x 1,0	13.8	153.6	306
0809 069	18 x 1,0	14.8	172.8	349
0809 070	19 x 1,0	14.8	182.4	355
0809 071	21 x 1,0	15.5	201.6	391
0809 072	24 x 1,0	17.2	230.4	444
0809 073	27 x 1,0	17.6	259.2	486

TECHNOFLEKS LiY11Y-Nr 0,6/1 kV **TECHNOFLEKS LiY11Yżo-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
0809 074	30 x 1,0	18.3	288.0	531
0809 075	36 x 1,0	20.1	345.6	648
0809 076	37 x 1,0	20.1	355.2	654
0809 077	44 x 1,0	22.6	422.4	774
0809 078	48 x 1,0	23.4	460.8	850
0809 079	52 x 1,0	24.1	499.2	911
0809 080	56 x 1,0	24.8	537.6	976
0809 081	60 x 1,0	25.5	576.0	1041
0809 002	2 x 1,5	7.6	28.8	85
0809 003	3 x 1,5	8.0	43.2	103
0809 004	4 x 1,5	8.8	57.6	126
0809 082	5 x 1,5	9.6	72.0	154
0809 083	6 x 1,5	10.4	86.4	182
0809 084	7 x 1,5	10.4	100.8	191
0809 085	8 x 1,5	11.2	115.2	220
0809 086	10 x 1,5	13.1	144.0	269
0809 087	12 x 1,5	13.6	172.8	307
0809 088	14 x 1,5	14.5	201.6	354
0809 089	16 x 1,5	15.3	230.4	401
0809 090	18 x 1,5	16.1	259.2	448
0809 091	19 x 1,5	16.1	273.6	457
0809 092	21 x 1,5	16.9	302.4	505
0809 093	24 x 1,5	19.3	345.6	591
0809 094	27 x 1,5	19.7	388.8	647
0809 095	30 x 1,5	20.4	432.0	708
0809 096	36 x 1,5	22.0	518.4	841
0809 097	37 x 1,5	22.0	532.8	849
0809 098	44 x 1,5	25.2	633.6	1029
0809 099	48 x 1,5	25.6	691.2	1104
0809 101	52 x 1,5	26.3	748.8	1184
0809 102	56 x 1,5	27.1	806.4	1270
0809 103	60 x 1,5	27.9	864.0	1356
0809 005	2 x 2,5	8.5	48.0	113
0809 006	3 x 2,5	9.0	72.0	138
0809 007	4 x 2,5	9.8	96.0	168
0809 104	5 x 2,5	10.7	120.0	206
0809 105	6 x 2,5	11.7	144.0	246
0809 106	7 x 2,5	11.7	168.0	260
0809 107	8 x 2,5	12.6	192.0	301
0809 108	10 x 2,5	15.1	240.0	377
0809 109	12 x 2,5	15.6	288.0	430
0809 110	14 x 2,5	16.4	336.0	488
0809 111	16 x 2,5	17.3	384.0	554
0809 112	18 x 2,5	18.3	432.0	621
0809 113	19 x 2,5	18.3	456.0	635

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
0809 114	21 x 2,5	19.6	504.0	721
0809 115	24 x 2,5	21.8	576.0	818
0809 116	27 x 2,5	22.3	648.0	899
0809 117	30 x 2,5	23.6	720.0	1007
0809 118	36 x 2,5	25.4	864.0	1196
0809 119	37 x 2,5	25.4	888.0	1210
0809 120	44 x 2,5	28.6	1056.0	1435
0809 121	48 x 2,5	29.1	1152.0	1544
0809 122	52 x 2,5	29.9	1248.0	1658
0809 123	56 x 2,5	30.9	1344.0	1781
0809 124	60 x 2,5	32.2	1440.0	1931
0809 008	2 x 4,0	9.9	76.8	161
0809 125	3 x 4,0	10.5	115.2	199
0809 126	4 x 4,0	11.5	153.6	246
0809 127	5 x 4,0	12.6	192.0	304
0809 128	7 x 4,0	13.7	268.8	386
0809 129	3 x 6,0	11.7	172.8	267
0809 130	4 x 6,0	12.8	230.4	332
0809 131	5 x 6,0	14.1	288.0	413
0809 132	7 x 6,0	15.7	403.2	538
0809 133	3 x 10,0	14.5	288.0	437
0809 134	4 x 10,0	15.9	384.0	546
0809 135	5 x 10,0	17.6	480.0	682
0809 136	7 x 10,0	19.7	672.0	899
0809 137	3 x 16,0	16.8	460.8	640
0809 138	4 x 16,0	19.0	614.4	826
0809 139	5 x 16,0	20.9	768.0	1029
0809 140	7 x 16,0	23.3	1075.2	1359
0809 141	3 x 25,0	20.6	720.0	965
0809 009	4 x 25,0	23.2	960.0	1241
0809 142	5 x 25,0	25.6	1200.0	1549
0809 143	3 x 35,0	23.5	1008.0	1298
0809 144	4 x 35,0	25.9	1344.0	1641
0809 145	5 x 35,0	28.7	1680.0	2056
0809 146	3 x 50,0	28.8	1440.0	1895
0809 147	4 x 50,0	32.3	1920.0	2428
0809 148	5 x 50,0	35.8	2400.0	3043

Other cross-sections and conductor counts available on request.

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