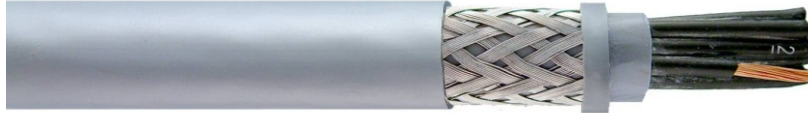


TECHNOFLEKS LiYYCY-Nr 300/500 V
TECHNOFLEKS LiYYCYżo-Nr 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOFLEKS LiYYCY-Nr 300/500 V and **TECHNOFLEKS LiYYCYżo-Nr 300/500 V** 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.

Cable inner sheath offers enhanced protection against mechanical damage.

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 LiYYCYżo-Nr 300/500 V** cable,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOFLEKS LiYYCYżo-Nr 300/500 V** cable,
- inner PVC sheath,
- tinned copper wire braid shield of effective density coverage,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

TECHNOFLEKS LiYYSY-Nr 300/500 V and **TECHNOFLEKS LiYYSYżo-Nr 300/500 V** – cables of enhanced protection against mechanical damage, shielded with zinc-plated steel wire braid.

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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 _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	10 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 conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
0640 009	2 x 0,5	6.9	19.6	60
0640 010	3 x 0,5	7.2	25.0	69
0640 011	4 x 0,5	7.6	30.6	79
0640 012	5 x 0,5	8.1	36.4	92
0640 013	6 x 0,5	8.7	46.2	109
0640 014	7 x 0,5	8.7	51.0	112
0640 015	8 x 0,5	9.2	57.4	126
0640 016	10 x 0,5	10.7	69.7	155
0640 017	12 x 0,5	11.0	79.9	171
0640 018	14 x 0,5	11.4	90.6	188
0640 019	16 x 0,5	11.9	101.4	207
0640 020	18 x 0,5	12.4	112.3	227
0640 021	19 x 0,5	12.4	117.1	230
0640 022	21 x 0,5	12.9	128.0	250
0640 023	24 x 0,5	14.0	145.3	278
0640 024	25 x 0,5	14.5	150.9	301
0640 025	27 x 0,5	14.5	160.5	306
0640 026	30 x 0,5	14.9	175.9	330
0640 027	34 x 0,5	16.0	204.7	384
0640 028	36 x 0,5	16.0	214.3	389
0640 029	37 x 0,5	16.0	219.1	392
0640 030	40 x 0,5	16.5	235.4	419
0640 031	41 x 0,5	17.0	241.4	441
0640 032	44 x 0,5	17.6	257.6	454
0640 033	48 x 0,5	17.9	277.8	482
0640 008	2 x 0,75	7.3	25.2	68
0640 034	3 x 0,75	7.5	32.8	79
0640 035	4 x 0,75	8.0	41.0	92
0640 036	5 x 0,75	8.6	53.1	112
0640 037	6 x 0,75	9.2	62.2	129
0640 038	7 x 0,75	9.2	69.4	133
0640 039	8 x 0,75	9.7	77.6	149

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
0640 040	10 x 0,75	11.4	95.4	186
0640 041	12 x 0,75	11.7	110.8	206
0640 042	14 x 0,75	12.2	126.2	228
0640 043	16 x 0,75	12.7	142.3	253
0640 044	18 x 0,75	13.3	157.9	279
0640 045	19 x 0,75	13.3	165.1	283
0640 046	21 x 0,75	13.8	180.8	308
0640 047	24 x 0,75	15.4	212.4	358
0640 048	25 x 0,75	15.7	220.6	379
0640 049	27 x 0,75	15.7	235.0	387
0640 050	30 x 0,75	16.1	257.8	418
0640 051	34 x 0,75	17.2	290.0	478
0640 052	36 x 0,75	17.2	304.4	486
0640 053	37 x 0,75	17.2	311.6	490
0640 054	2 x 1,0	7.6	30.6	76
0640 055	3 x 1,0	7.9	40.8	90
0640 056	4 x 1,0	8.6	55.5	111
0640 057	5 x 1,0	9.1	67.0	130
0640 001	6 x 1,0	9.7	77.6	149
0640 058	7 x 1,0	9.7	87.2	155
0640 059	8 x 1,0	10.7	98.5	185
0640 060	10 x 1,0	12.1	121.2	218
0640 006	12 x 1,0	12.5	141.4	244
0640 061	14 x 1,0	13.0	161.9	272
0640 062	16 x 1,0	13.5	182.4	302
0640 063	18 x 1,0	14.4	203.4	340
0640 064	19 x 1,0	14.4	213.0	346
0640 065	21 x 1,0	15.0	233.7	378
0640 007	24 x 1,0	16.5	273.8	431
0640 066	25 x 1,0	16.8	283.9	456
0640 067	27 x 1,0	16.8	303.1	467
0640 068	30 x 1,0	17.3	333.5	506

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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
0640 069	34 x 1,0	18.9	375.6	597
0640 070	36 x 1,0	18.9	394.8	608
0640 071	37 x 1,0	18.9	404.4	613
0640 003	2 x 1,5	8.3	45.2	94
0640 072	3 x 1,5	8.6	60.3	112
0640 002	4 x 1,5	9.2	76.6	134
0640 073	5 x 1,5	10.3	92.5	168
0640 074	6 x 1,5	10.9	108.5	193
0640 075	7 x 1,5	10.9	122.9	202
0640 076	8 x 1,5	11.6	139.6	230
0640 077	10 x 1,5	13.2	172.0	273
0640 078	12 x 1,5	13.6	201.8	308
0640 079	14 x 1,5	14.4	232.2	351
0640 004	16 x 1,5	15.0	262.5	392
0640 080	18 x 1,5	15.8	300.1	441
0640 081	19 x 1,5	15.8	314.5	450
0640 082	21 x 1,5	16.5	345.8	494
0640 005	24 x 1,5	18.1	393.6	553
0640 083	25 x 1,5	18.8	408.9	602
0640 084	27 x 1,5	18.8	437.7	619
0640 085	2 x 2,5	9.1	67.0	119
0640 086	3 x 2,5	9.5	91.5	147
0640 087	4 x 2,5	10.6	117.7	187
0640 088	5 x 2,5	11.4	143.4	224
0640 089	6 x 2,5	12.2	169.4	261
0640 090	7 x 2,5	12.2	193.4	275
0640 091	8 x 2,5	13.1	219.7	316
0640 092	10 x 2,5	15.1	272.4	382
0640 093	12 x 2,5	15.7	328.6	443
0640 094	14 x 2,5	16.4	378.8	499
0640 095	16 x 2,5	17.1	428.9	559
0640 096	18 x 2,5	18.0	479.9	623
0640 097	19 x 2,5	18.0	503.9	637

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
0640 098	2 x 4,0	10.9	98.9	169
0640 099	3 x 4,0	11.4	138.6	212
0640 100	4 x 4,0	12.3	179.3	259
0640 101	5 x 4,0	13.3	220.3	315
0640 102	7 x 4,0	14.5	299.7	400
0640 103	3 x 6,0	12.8	199.9	284
0640 104	4 x 6,0	13.9	260.2	353
0640 105	5 x 6,0	15.3	327.4	445
0640 106	7 x 6,0	16.6	446.6	563
0640 107	3 x 10,0	15.7	328.6	452
0640 108	4 x 10,0	17.1	428.9	567
0640 109	5 x 10,0	19.0	529.5	717
0640 110	7 x 10,0	20.6	726.6	918
0640 111	3 x 16,0	18.1	508.8	646
0640 112	4 x 16,0	20.1	667.4	837
0640 113	5 x 16,0	21.9	826.6	1040
0640 114	7 x 16,0	8.7	51.0	112
0640 115	3 x 25,0	21.0	775.8	915
0640 116	4 x 25,0	23.6	1044.3	1212
0640 117	5 x 25,0	25.7	1293.1	1506
0640 118	3 x 35,0	24.9	1097.8	1282
0640 119	4 x 35,0	27.5	1470.5	1662
0640 120	5 x 35,0	30.1	1820.3	2076
0640 121	3 x 50,0	30.5	1582.4	1849
0640 122	4 x 50,0	34.3	2080.4	2433
0640 123	5 x 50,0	37.8	2600.9	3063

Other cross-sections and conductor counts available on request.

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