

TECHNOFLEKS LiYYCY 300/500 V
TECHNOFLEKS LiYYCYżo 300/500 V

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CONTROL AND POWER SUPPLY FLEXIBLE CABLES**APPLICATIONS**

TECHNOFLEKS LiYYCY 300/500 V and **TECHNOFLEKS LiYYCYżo 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,
- PVC insulation - identification colour code in accordance with Technokabel's Identification System (see our *Technical Guide*),
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **TECHNOFLEKS LiYYCYżo 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 300/500 V and **TECHNOFLEKS LiYYSYżo 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
0565 003	2 x 0,5	6.9	19.6	60
0565 011	3 x 0,5	7.2	25.0	69
0565 004	4 x 0,5	7.6	30.6	79
0565 005	5 x 0,5	8.1	36.4	92
0565 012	6 x 0,5	8.7	46.2	109
0565 013	7 x 0,5	8.7	51.0	112
0565 014	8 x 0,5	9.2	57.4	126
0565 015	10 x 0,5	10.7	69.7	155
0565 016	12 x 0,5	11.0	79.9	171
0565 017	14 x 0,5	11.4	90.6	188
0565 018	16 x 0,5	11.9	101.4	207
0565 019	18 x 0,5	12.4	112.3	227
0565 020	19 x 0,5	12.4	117.1	230
0565 021	21 x 0,5	12.9	128.0	250
0565 022	24 x 0,5	14.0	145.3	278
0565 023	25 x 0,5	14.5	150.9	301
0565 024	27 x 0,5	14.5	160.5	306
0565 025	30 x 0,5	14.9	175.9	330
0565 026	34 x 0,5	16.0	204.7	384
0565 027	36 x 0,5	16.0	214.3	389
0565 028	37 x 0,5	16.0	219.1	392
0565 029	40 x 0,5	16.5	235.4	419
0565 030	41 x 0,5	17.0	241.4	441
0565 031	44 x 0,5	17.6	257.6	454
0565 032	48 x 0,5	17.9	277.8	482
0565 006	2 x 0,75	7.3	25.2	68
0565 033	3 x 0,75	7.5	32.8	79
0565 034	4 x 0,75	8.0	41.0	92
0565 035	5 x 0,75	8.6	53.1	112
0565 036	6 x 0,75	9.2	62.2	129
0565 037	7 x 0,75	9.2	69.4	133
0565 038	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
0565 039	10 x 0,75	11.4	95.4	186
0565 040	12 x 0,75	11.7	110.8	206
0565 041	14 x 0,75	12.2	126.2	228
0565 042	16 x 0,75	12.7	142.3	253
0565 043	18 x 0,75	13.3	157.9	279
0565 044	19 x 0,75	13.3	165.1	283
0565 045	21 x 0,75	13.8	180.8	308
0565 046	24 x 0,75	15.4	212.4	358
0565 047	25 x 0,75	15.7	220.6	379
0565 048	27 x 0,75	15.7	235.0	387
0565 049	30 x 0,75	16.1	257.8	418
0565 050	34 x 0,75	17.2	290.0	478
0565 051	36 x 0,75	17.2	304.4	486
0565 052	37 x 0,75	17.2	311.6	490
0565 053	2 x 1,0	7.6	30.6	76
0565 054	3 x 1,0	7.9	40.8	90
0565 055	4 x 1,0	8.6	55.5	111
0565 056	5 x 1,0	9.1	67.0	130
0565 057	6 x 1,0	9.7	77.6	149
0565 058	7 x 1,0	9.7	87.2	155
0565 059	8 x 1,0	10.7	98.5	185
0565 060	10 x 1,0	12.1	121.2	218
0565 061	12 x 1,0	12.5	141.4	244
0565 062	14 x 1,0	13.0	161.9	272
0565 001	16 x 1,0	13.5	182.4	302
0565 063	18 x 1,0	14.4	203.4	340
0565 064	19 x 1,0	14.4	213.0	346
0565 065	21 x 1,0	15.0	233.7	378
0565 066	24 x 1,0	16.5	273.8	431
0565 002	25 x 1,0	16.8	283.9	456
0565 067	27 x 1,0	16.8	303.1	467
0565 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
0565 069	34 x 1,0	18.9	375.6	597
0565 070	36 x 1,0	18.9	394.8	608
0565 071	37 x 1,0	18.9	404.4	613
0565 007	2 x 1,5	8.3	45.2	94
0565 008	3 x 1,5	8.6	60.3	112
0565 009	4 x 1,5	9.2	76.6	134
0565 010	5 x 1,5	10.3	92.5	168
0565 072	6 x 1,5	10.9	108.5	193
0565 073	7 x 1,5	10.9	122.9	202
0565 074	8 x 1,5	11.6	139.6	230
0565 075	10 x 1,5	13.2	172.0	273
0565 076	12 x 1,5	13.6	201.8	308
0565 077	14 x 1,5	14.4	232.2	351
0565 078	16 x 1,5	15.0	262.5	392
0565 079	18 x 1,5	15.8	300.1	441
0565 080	19 x 1,5	15.8	314.5	450
0565 081	21 x 1,5	16.5	345.8	494
0565 082	24 x 1,5	18.1	393.6	553
0565 083	25 x 1,5	18.8	408.9	602
0565 084	27 x 1,5	18.8	437.7	619
0565 085	2 x 2,5	9.1	67.0	119
0565 086	3 x 2,5	9.5	91.5	147
0565 087	4 x 2,5	10.6	117.7	187
0565 088	5 x 2,5	11.4	143.4	224
0565 089	6 x 2,5	12.2	169.4	261
0565 090	7 x 2,5	12.2	193.4	275
0565 091	8 x 2,5	13.1	219.7	316
0565 092	10 x 2,5	15.1	272.4	382
0565 093	12 x 2,5	15.7	328.6	443
0565 094	14 x 2,5	16.4	378.8	499
0565 095	16 x 2,5	17.1	428.9	559
0565 096	18 x 2,5	18.0	479.9	623
0565 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
0565 098	2 x 4,0	10.9	98.9	169
0565 099	3 x 4,0	11.4	138.6	212
0565 100	4 x 4,0	12.3	179.3	259
0565 101	5 x 4,0	13.3	220.3	315
0565 102	7 x 4,0	14.5	299.7	400
0565 103	3 x 6,0	12.8	199.9	284
0565 104	4 x 6,0	13.9	260.2	353
0565 105	5 x 6,0	15.3	327.4	445
0565 106	7 x 6,0	16.6	446.6	563
0565 107	3 x 10,0	15.7	328.6	452
0565 108	4 x 10,0	17.1	428.9	567
0565 109	5 x 10,0	19.0	529.5	717
0565 110	7 x 10,0	20.6	726.6	918
0565 111	3 x 16,0	18.1	508.8	646
0565 112	4 x 16,0	20.1	667.4	837
0565 113	5 x 16,0	21.9	826.6	1040
0565 114	7 x 16,0	8.7	51.0	112
0565 115	3 x 25,0	21.0	775.8	915
0565 116	4 x 25,0	23.6	1044.3	1212
0565 117	5 x 25,0	25.7	1293.1	1506
0565 118	3 x 35,0	24.9	1097.8	1282
0565 119	4 x 35,0	27.5	1470.5	1662
0565 120	5 x 35,0	30.1	1820.3	2076
0565 121	3 x 50,0	30.5	1582.4	1849
0565 122	4 x 50,0	34.3	2080.4	2433
0565 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.