

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® FD CLASSIC 810 CY	12.09.2012

Screened, PVC-insulated, numbered, PVC inner and outer sheath
Well-proven, reliable
Cost-effective solution



Info

Bestseller among the FD power chain cables
Well-proven, reliable
EMC-compliant

Application range

In power chains or moving machine parts
Suitable for use in measuring, control and regulating circuits
Power circuits for electrical equipments used in automation engineering
Assembly lines, production lines, in all kinds of machines
Plant engineering

Design

Extra-fine wire strand made of bare copper wires (class 6)
Core insulation: PVC
Cores twisted in layers in short lay lengths
PVC inner sheath, grey
Tinned-copper braiding
Non-woven wrapping
PVC outer sheath, grey (RAL 7001)

Approvals (Norm references)

For travel distances up to 10 m.
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product features

Low-adhesive surface
Flame-retardant according to IEC 60332-1-2
In damp or wet interiors
Designed for 2 up to 8 million bending/unbending cycles in the power chain. Further informations regarding service life see table T0 of the appendix of the Lapp catalogue.
Only for outdoor use within the indicated operating temperature range, with UV-protection

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to Appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs are not to scale and do not represent detailed images of the respective products.

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Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293
Based on:	Core in accordance with VDE 0245/0281 Outer sheath in accordance with VDE 0245/0281
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Extra-fine wire acc. to VDE 0295, class 6/ IEC 60228 class 6
Minimum bending radius:	For flexible use: 7.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U ₀ /U: 300/500 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexing: 0 °C to +70 °C Fixed installation: -40 °C to +80 °C

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0026200	2 X 0,5	6.9	33.0	74
0026201	3 G 0,5	7.3	39.0	84
0026202	4 G 0,5	7.9	46.0	98
0026203	5 G 0,5	8.4	54.0	110
0026204	7 G 0,5	9.8	70.0	143
0026205	12 G 0,5	11.3	100.0	201
0026206	18 G 0,5	13.4	153.0	287
0026207	25 G 0,5	15.9	202.0	394
0026208	30 G 0,5	16.5	228.0	432
0026219	2 X 0,75	7.3	39.0	85
0026220	3 G 0,75	7.8	48.0	99
0026221	4 G 0,75	8.4	59.0	116
0026222	5 G 0,75	9.0	69.0	133
0026223	7 G 0,75	10.7	90.0	178
0026224	12 G 0,75	12.4	129.0	253
0026226	18 G 0,75	14.9	205.0	368
0026227	25 G 0,75	17.4	271.0	496
0026229	30 G 0,75	18.0	320.0	549
0026230	2 X 1,0	7.7	46.0	97
0026231	3 G 1,0	8.2	57.0	114
0026232	4 G 1,0	8.9	70.0	134
0026233	5 G 1,0	9.8	81.0	159
0026234	7 G 1,0	11.4	110.0	207
0026235	12 G 1,0	13.4	182.0	314
0026238	18 G 1,0	16.1	254.0	443
0026239	25 G 1,0	18.8	365.0	612
0026240	26 G 1,0	18.8	374.0	625
0026241	34 G 1,0	21.5	463.0	787
0026242	41 G 1,0	23.2	542.0	918
0026243	50 G 1,0	25.3	640.0	1120
0026249	2 X 1,5	8.4	58.0	117
0026250	3 G 1,5	9.0	75.0	139
0026251	4 G 1,5	9.9	91.0	169
0026252	5 G 1,5	10.9	112.0	201

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0026253	7 G 1,5	12.7	145.0	262
0026254	12 G 1,5	15.1	247.0	404
0026255	16 G 1,5	16.8	314.0	503
0026256	18 G 1,5	17.8	348.0	560
0026257	25 G 1,5	21.2	498.0	793
0026259	34 G 1,5	23.9	700.0	1005
0026270	3 G 2,5	10.8	119.0	207
0026271	4 G 2,5	11.8	161.0	247
0026272	5 G 2,5	13.2	194.0	307
0026273	7 G 2,5	15.8	262.0	418
0026281	4 G 4	13.7	238.0	360
0026282	5 G 4	15.3	280.0	436
0026283	4 G 6	16.1	318.0	514
0026285	4 G 10	20.2	521.0	824
0026287	4 G 16	23.6	780.0	1207