

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)
0026200	2 X 0,5	6.9	33.0
0026201	3 G 0,5	7.3	39.0
0026202	4 G 0,5	7.9	46.0
0026203	5 G 0,5	8.4	54.0
0026204	7 G 0,5	9.8	70.0
0026205	12 G 0,5	11.3	100.0
0026206	18 G 0,5	13.4	153.0
0026207	25 G 0,5	15.9	202.0
0026208	30 G 0,5	16.5	228.0
0026219	2 X 0,75	7.3	39.0
0026220	3 G 0,75	7.8	48.0
0026221	4 G 0,75	8.4	59.0
0026222	5 G 0,75	9.0	69.0
0026223	7 G 0,75	10.7	90.0
0026224	12 G 0,75	12.4	129.0
0026226	18 G 0,75	14.9	205.0
0026227	25 G 0,75	17.4	271.0
0026229	30 G 0,75	18.0	320.0
0026230	2 X 1,0	7.7	46.0
0026231	3 G 1,0	8.2	57.0
0026232	4 G 1,0	8.9	70.0
0026233	5 G 1,0	9.8	81.0
0026234	7 G 1,0	11.4	110.0
0026235	12 G 1,0	13.4	182.0
0026238	18 G 1,0	16.1	254.0
0026239	25 G 1,0	18.8	365.0
0026240	26 G 1,0	18.8	374.0
0026241	34 G 1,0	21.5	463.0
0026242	41 G 1,0	23.2	542.0
0026243	50 G 1,0	25.3	640.0
0026249	2 X 1,5	8.4	58.0
0026250	3 G 1,5	9.0	75.0
0026251	4 G 1,5	9.9	91.0
0026252	5 G 1,5	10.9	112.0

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

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