


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® CLASSIC FD 810 P</b>	29.11.2013

PVC-insulated, numbered, PUR sheath  
Well-proven and reliable  
Various applications



Oil-resistant



Power chain



UV-resistant

#### Info

Core Line for ordinary duty in power chain applications

#### Application range

In power chains or moving machine parts  
Particularly in wet areas of machine tools and transfer lines  
Mechanical engineering  
Suitable for use in measuring, control and regulating circuits  
Power circuits for electrical equipments used in automation engineering

#### Design

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


#### Norm references / Approvals

Core based on VDE 0245/0285  
Outer sheath based on VDE 0245/0285  
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  
Oil-resistant  
Flame-retardant according to IEC 60332.1.2  
In dry, damp or wet interiors with normal mechanical stress conditions  
Designed for 2 up to 8 million bending/unbending cycles in power chain applications.

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### 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 catalogue appendix T17 for the definition and calculation of copper-related surcharges.

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

### Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293-1
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Extra-fine wire according 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 <sub>0</sub> /U: 300/500 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

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Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0026300	2 X 0,5	5.3	10.0	36
0026301	3 G 0,5	5.7	15.0	44
0026302	4 G 0,5	6.3	19.0	53
0026303	5 G 0,5	6.8	24.0	62
0026304	7 G 0,5	8.0	34.0	82
0026305	12 G 0,5	9.5	58.0	129
0026306	18 G 0,5	11.4	86.4	185
0026319	2 X 0,75	5.7	15.0	44
0026320	3 G 0,75	6.2	22.0	55
0026321	4 G 0,75	6.8	29.0	67
0026322	5 G 0,75	7.4	37.0	80
0026323	7 G 0,75	8.9	51.0	109
0026324	12 G 0,75	10.6	87.0	172
0026326	18 G 0,75	12.7	130.0	247
0026327	25 G 0,75	15.2	181.0	346
0026330	2 X 1,0	6.1	20.0	52
0026331	3 G 1,0	6.6	29.0	66
0026332	4 G 1,0	7.3	39.0	82
0026333	5 G 1,0	8.0	48.0	97
0026334	7 G 1,0	9.6	67.0	117
0026335	12 G 1,0	11.4	115.0	211
0026338	18 G 1,0	13.9	173.0	310
0026339	25 G 1,0	16.4	240.0	426
0026341	34 G 1,0	18.9	326.4	571
0026342	41 G 1,0	20.6	394.0	684
0026343	50 G 1,0	22.3	480.0	822
0026344	65 G 1,0	25.4	624.0	1058
0026349	2 X 1,5	6.8	29.0	68
0026350	3 G 1,5	7.4	43.2	86
0026351	4 G 1,5	8.1	58.0	106
0026352	5 G 1,5	9.1	72.0	131
0026353	7 G 1,5	10.9	101.0	178
0026354	12 G 1,5	12.9	173.0	281
0026355	16 G 1,5	14.6	230.0	365

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0026356	18 G 1,5	15.6	259.0	411
0026357	25 G 1,5	18.6	360.0	571
0026359	34 G 1,5	21.1	489.6	753
0026361	42 G 1,5	23.0	629.0	919
0026362	50 G 1,5	25.0	720.0	1093
0026370	3 G 2,5	9.0	72.0	135
0026371	4 G 2,5	10.0	96.0	168
0026372	5 G 2,5	11.2	120.0	206
0026373	7 G 2,5	13.6	168.0	286
0026374	12 G 2,5	16.0	288.0	453
0026375	14 G 2,5	17.2	336.0	525
0026381	4 G 4	11.7	160.0	252
0026382	5 G 4	13.1	200.0	309
0029200	1 G 6	6.4	60.0	84
0026383	4 G 6	13.9	230.0	377
0029210	1 G 10	7.7	100.0	141
0026385	4 G 10	17.6	384.0	614
0026386	5 G 10	19.6	480.0	751
0029220	1 G 16	9.2	160.0	198
0026387	4 G 16	21.0	615.0	851