


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® FD 855 CP</b>	<b>12.09.2012</b>

Screened, TPE-insulated, numbered, TPE inner sheath, PUR outer sheath  
Well-proven, reliable  
Various applications  
Suitable for all weather conditions



### Info

MUD res. according to IEC61892-4 Annex D  
Flexible down to -40°C  
EMC-optimised

### Application range

In power chains or moving machine parts  
Particularly in wet areas of machine tools and transfer lines  
Mechanical engineering  
Construction machinery  
Assembly lines, production lines, in all kinds of machines

### Design

Extra-fine wire strand made of bare copper wires (class 6)  
Core insulation: TPE  
Cores twisted together in extremely short lay lengths  
Non-woven wrapping  
Inner sheath made of TPE  
Tinned-copper braiding  
PUR outer sheath, grey (RAL 7001) or green (RAL 6018)

### Approvals (Norm references)

For travel distances up to 100 m (horizontal)  
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

### Product features

Low-adhesive surface  
Oil-resistant  
Halogen-free and flame-retardant (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 the power chain. Further informations regarding service life see table T0 of the appendix of the Lapp catalogue.

### 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](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil ≤ 30 kg or ≤ 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.

Product Management	Document: LAPP_PRO95EN.pdf	1 / 4
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### Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293
Based on:	VDE 0250/0281/0282
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 <sub>0</sub> /U: 300/500 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexing: -40 °C to +80 °C Fixed installation: -50 °C to +80 °C During installation: -40 °C to +80 °C

Product Management	Document: LAPP_PRO95EN.pdf	2 / 4
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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)
0027605	2 X 0,5	6.7	32.0	67
0027606	3 G 0,5	7.1	40.0	79
0027607	5 G 0,5	8.2	53.0	107
0027608	6 G 0,5	8.7	59.0	121
0027609	7 G 0,5	9.5	67.0	132
0027610	12 G 0,5	10.9	97.0	190
0027611	18 G 0,5	12.9	131.0	245
0027612	20 G 0,5	13.5	156.0	281
0027613	25 G 0,5	15.6	190.0	367
0027615	30 G 0,5	15.8	222.0	408
0027616	36 G 0,5	16.9	251.0	459
0027620	2 X 0,75	7.2	40.0	79
0027621	3 G 0,75	7.6	47.0	96
0027622	4 G 0,75	8.3	58.0	112
0027623	5 G 0,75	8.9	65.0	126
0027624	7 G 0,75	10.6	85.0	165
0027625	12 G 0,75	12.1	127.0	231
0027626	18 G 0,75	14.6	198.0	330
0027628	25 G 0,75	17.7	259.0	459
0027630	36 G 0,75	19.5	348.0	605
0027635	2 X 1,0	7.6	45.0	93
0027636	3 G 1,0	8.1	55.0	109
0027637	4 G 1,0	8.8	68.0	126
0027638	5 G 1,0	9.6	81.0	147
0027639	7 G 1,0	11.3	106.0	196
0027640	12 G 1,0	13.2	175.0	292
0027641	18 G 1,0	15.9	242.0	418
0027643	25 G 1,0	19.5	329.0	575
0027645	30 G 1,0	19.6	377.0	635
0027646	36 G 1,0	21.2	467.0	758
0027649	2 X 1,5	8.3	58.0	115
0027650	3 G 1,5	8.9	76.0	139
0027661	4 G 1,5	9.8	91.0	156
0027651	5 G 1,5	10.8	111.0	198

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0027652	7 G 1,5	12.5	145.0	254
0027653	12 G 1,5	14.9	242.0	416
0027654	18 G 1,5	17.4	346.0	564
0027656	25 G 1,5	21.4	486.0	811
0027659	36 G 1,5	23.4	655.0	1066
0027380	3 G 2,5	10.7	110.0	194
0027381	4 G 2,5	11.7	136.0	234
0027382	5 G 2,5	12.8	180.0	293
0027383	7 G 2,5	15.6	246.0	418
0027384	12 G 2,5	18.0	377.0	629
0027385	18 G 2,5	21.5	569.0	912
0027386	25 G 2,5	26.5	765.0	1266