


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® FD 855 P</b>	<b>14.11.2013</b>

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



Halogen-free



Mechanical resistance



Oil-resistant



Power chain



UV-resistant

#### Info

Extended Line for heavy duty in power chain applications  
Smallest bending radii of all FD cables

#### 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  
PUR outer sheath, grey (RAL 7001)

#### Norm references / Approvals

Based on VDE 0250 / 0285  
For travel distances up to 100 m (horizontal)  
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

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### 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 5 up to 10 million bending/unbending cycles in the power chain.

### 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 ≤ 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.

### 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: 5 x outer diameter Fixed installation: 3 x outer diameter
Nominal voltage:	IEC 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 +90 °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)
0027530	2 X 0,5	5.1	10.0	34
0027531	3 G 0,5	5.5	14.0	40
0027532	5 G 0,5	6.6	24.0	55
0027533	6 G 0,5	7.1	29.0	63
0027534	7 G 0,5	7.7	34.0	76
0027535	12 G 0,5	9.1	58.0	114
0027536	18 G 0,5	10.9	86.0	165
0027537	20 G 0,5	11.5	96.0	180
0027538	25 G 0,5	13.4	120.0	219
0027540	30 G 0,5	13.6	144.0	251
0027541	36 G 0,5	14.7	173.0	290
0027545	2 X 0,75	5.6	14.0	42
0027546	3 G 0,75	6.0	22.0	50
0027547	4 G 0,75	6.7	29.0	60
0027548	5 G 0,75	7.3	36.0	71
0027549	7 G 0,75	8.8	50.0	99
0027550	12 G 0,75	10.3	86.0	158
0027551	18 G 0,75	12.4	130.0	219
0027552	20 G 0,75	13.3	144.0	240
0027553	25 G 0,75	15.5	180.0	309
0027555	36 G 0,75	16.9	259.0	411
0027560	2 X 1,0	6.0	19.0	50
0027561	3 G 1,0	6.5	29.0	61
0027562	4 G 1,0	7.2	38.0	70
0027563	5 G 1,0	7.8	48.0	93
0027564	7 G 1,0	9.5	67.0	122
0027565	12 G 1,0	11.2	115.0	196
0027566	18 G 1,0	13.7	173.0	274
0027567	20 G 1,0	14.4	192.0	300
0027568	25 G 1,0	16.8	240.0	385
0027570	30 G 1,0	17.0	288.0	444
0027571	36 G 1,0	18.6	346.0	516
0027575	2 X 1,5	6.7	29.0	68
0027576	3 G 1,5	7.3	43.0	83

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0027586	4 G 1,5	8.0	58.0	100
0027577	5 G 1,5	9.0	72.0	128
0027578	7 G 1,5	10.7	101.0	177
0027579	12 G 1,5	12.7	173.0	275
0027580	18 G 1,5	15.2	259.0	405
0027582	25 G 1,5	18.8	360.0	565
0027584	30 G 1,5	18.8	432.0	652
0027585	36 G 1,5	20.6	518.0	759
0027587	41 G 1,5	22.4	614.0	978
0027370	3 G 2,5	8.9	72.0	121
0027371	4 G 2,5	9.9	96.0	163
0027372	5 G 2,5	11.0	120.0	196
0027373	7 G 2,5	13.4	168.0	266
0027374	12 G 2,5	15.8	288.0	446
0027375	18 G 2,5	18.9	432.0	665
0027376	25 G 2,5	23.5	600.0	929