
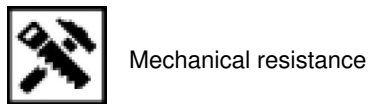


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® FD 855 P</b>	<b>04.04.2014</b>

TPE-insulated, numbered, PUR sheath, approved  
 Well-proven and reliable  
 Various applications  
 Suitable for all weather conditions  
 Ideal for export-oriented machinery and equipment manufacturers



**Info**

Extended Line for heavy duty in power chain applications  
 Smallest bending radii of all FD cables  
 UL/cUL approved for North America

**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**

USA: UL AWM Style 21576  
 Canada: cUL AWM Style I/II A/B FT2  
 Based on VDE 0250 / 0285  
 For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product Management	Document: LAPP_PRO94EN.pdf	1 / 4
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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 10 million alternating bending cycles and horizontal travel distances up to 100 meter

### 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 UL: 1000 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 according to UL/AWM: -50°C to +80°C
Alternating bending cycles:	10 mio. cycles

Product Management	Document: LAPP_PRO94EN.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)
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