


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® FD 855 P	12.09.2012

TPE-insulated, numbered, PUR 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
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) 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
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.

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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 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:	U ₀ /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

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Part number	Number of cores and mm ² 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 ² 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