


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® FD 855 P	04.04.2014

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



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
 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 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 ₀ /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 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