

ÖLFLEX® FD 855 P

Halogen-free, highly flexible control cable with abrasion and oil resistant PUR sheath - certified
Allows much faster speed and accelerations which increases the economic efficiency of the machines
Multi-standard certification reduces part varieties and saves costs
Low particle emission at moved chain application
Increased durability under harsh conditions thanks to robust PUR outer sheath
Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
Wide temperature range for applications in harsh climatic environments



LAPP KABEL STUÏGART ÖLFLEX® FD 855 P CE



Single halogen-free cable



Mechanical resistance



Oil-resistant



Power chain



UV-resistant

Info

Extended Line for heavy duty in power chain applications
Small bending radii - long travel lengths
UL/cUL certified for North America

Application range

In power chains or moving machine parts
Particularly in wet areas of machine tools and transfer lines
Assembly lines, production lines, in all kinds of machines
For use in assembling & pick-and-place machinery
For indoor and outdoor use

Product Make-up

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
USA: UL AWM Style 21576
Canada: cUL AWM Style I/II A/B FT2
UL File No. E63634
Clean room classification for individual items on request
For use in power chains: Please comply with assembly guideline Appendix T3

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Product features

Designed for 10 million alternating bending cycles and horizontal travel distances up to 100 meter

Halogen-free and flame-retardant

(IEC 60332-1-2)

Resistant to oil and drilling fluids according to IEC 61892-4, Appendix D

Flexible down to -40°C

Abrasion and notch-resistant

Low-adhesive surface

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
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 +80°C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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.

**ÖLFLEX® FD 855 P**

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® FD 855 P				
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



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0027576	3 G 1,5	7.3	43.0	83
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