

ÖLFLEX® FD 855 P

Halogen-free, highly flexible control cable with abrasion- and oil-resistant PUR sheath - certified

ÖLFLEX® FD 855 P - halogen-free power and control cable for use in power chains in harsh environmental conditions.

Info

Extended line for high loads in power chains

Small bending radii - long distances

UL/cUL certified for North America



UV-resistant



Power chain



Oil-resistant



Mechanical resistance



Halogen-free



Suitable for outdoor use



Cold-resistant

ÖLFLEX® FD 855 P

Benefits

Allows much faster motion sequences which increases the economic efficiency of machines

Multi-standard certification reduces part varieties and saves costs

Low particle emission in flexing chain applications

Durable under harsh conditions thanks to robust PUR sheath material

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

Application range

In power chains or mobile machine parts

Particularly in wet areas of machine tools and transfer lines

Assembly and production lines, in all kinds of machines

For use in assembly & automatic placement machines

For indoor and outdoor use

Product features

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

Halogen-free and flame-retardant (IEC 60332-1-2)

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

Flexible at temperatures down to -40 °C

Abrasion-resistant and notch-resistant

Low-adhesive surface

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

Design

Extra-fine wire strand made of bare copper wires (class 6)

Core insulation made of TPE

Cores twisted together in extremely short lay lengths

Fleece wrapping

Polyurethane sheath, grey (RAL 7001)

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Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-1
Conductor design:	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
Alternating bending cycles:	10 million cycles

Note

Unless specified otherwise, the shown product values are nominal values at room temperature. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs are not to scale and do not represent detailed images of the respective products.

* Prices are net prices without VAT and surcharges. Sale to business customers only.

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PRODUCT INFORMATION

ÖLFLEX® FD 855 P

Article 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	34
0027531	3 G 0.5	5.5	14	40
0027532	5 G 0.5	6.6	24	55
0027533	6 G 0.5	7.1	29	63
0027534	7 G 0.5	7.7	34	76
0027535	12 G 0.5	9.1	58	114
0027536	18 G 0.5	10.9	86	165
0027537	20 G 0.5	11.5	96	180
0027538	25 G 0.5	13.4	120	219
0027540	30 G 0.5	13.6	144	251
0027541	36 G 0.5	14.7	173	290
0027545	2 X 0.75	5.6	14	42
0027546	3 G 0.75	6	22	50
0027547	4 G 0.75	6.7	29	60
0027548	5 G 0.75	7.3	36	71
0027549	7 G 0.75	8.8	50	99
0027550	12 G 0.75	10.3	86	158
0027551	18 G 0.75	12.4	130	219
0027552	20 G 0.75	13.3	144	240
0027553	25 G 0.75	15.5	180	309
0027555	36 G 0.75	16.9	259	411
0027560	2 X 1	6	19	50
0027561	3 G 1	6.5	29	61
0027562	4 G 1	7.2	38	70
0027563	5 G 1	7.8	48	93
0027564	7 G 1	9.5	67	122
0027565	12 G 1	11.2	115	196
0027566	18 G 1	13.7	173	274
0027567	20 G 1	14.4	192	300
0027568	25 G 1	16.8	240	385
0027570	30 G 1	17	288	444
0027571	36 G 1	18.6	346	516
0027575	2 X 1.5	6.7	29	68

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

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**ÖLFLEX® FD 855 P**

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
0027576	3 G 1.5	7.3	43	83
0027586	4 G 1.5	8	58	100
0027577	5 G 1.5	9	72	128
0027578	7 G 1.5	10.7	101	177
0027579	12 G 1.5	12.7	173	275
0027580	18 G 1.5	15.2	259	405
0027582	25 G 1.5	18.8	360	565
0027584	30 G 1.5	18.8	432	652
0027585	36 G 1.5	20.6	518	759
0027587	41 G 1.5	22.4	614	978
0027370	3 G 2.5	8.9	72	121
0027371	4 G 2.5	9.9	96	163
0027372	5 G 2.5	11	120	196
0027373	7 G 2.5	13.4	168	266
0027374	12 G 2.5	15.8	288	446
0027375	18 G 2.5	18.9	432	665
0027376	25 G 2.5	23.5	600	929

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