

ÖLFLEX® CLASSIC FD 810 CP

Highly flexible, screened control cable with PVC insulation, inner sheath and abrasion and oil resistant PUR jacket

ÖLFLEX® CLASSIC FD 810 CP - Screened power and control cable for versatile use in power chains in harsh environmental conditions

Info

Core Line Performance - Medium to increased travel lengths or acceleration

Oil resistant and abrasion-proof

EMC compliant copper screening



Mechanical resistance



Oil-resistant



Power chain



Interference signals



UV-resistant

Benefits

Well-proven and reliable

Various applications

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

Additional robustness thanks to inner sheath

Copper braiding screens the cable against

electromagnetic interference

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ÖLFLEX® CLASSIC FD 810 CP

Application range

In power chains or moving machine parts
Particularly in wet areas of machine tools and transfer lines
Power circuits for electrical equipments used in automation engineering
Suitable for use in measuring, control and regulating circuits
In dry, damp or wet interiors with normal mechanical stress conditions

Product features

Flame-retardant according to IEC 60332.1.2
High oil-resistance
Abrasion and notch-resistant
EMC-compliant
Low-adhesive surface

Norm references / Approvals

Core and outer sheath based on VDE 0245/0285
For use in power chains: Please comply with assembly guideline Appendix T3

Product Make-up

Extra-fine wire strand made of bare copper wires (class 6)
Core insulation: PVC
Cores twisted in short lay lengths
Non-woven wrapping
PVC inner sheath
Tinned-copper braiding
PUR outer sheath, grey (similar RAL 7001)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-334
Conductor stranding:	Extra-fine wire acc. to VDE 0295, class 6/ IEC 60228 class 6
Minimum bending radius:	Flexing: up from 7.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexing: -5°C to +70°C Fixed installation: -40°C to +80°C
Bending cycles & operation parameters:	See Selection Table A2-1 in the appendix of our online catalogue

Note

Unless specified otherwise, the shown product values are nominal values at room temperature. 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

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surcharges.

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

Packaging size: coil \leq 30 kg or \leq 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 and graphics 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.

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® CLASSIC FD 810 CP			
0026400	2 X 0.5	6.9	33
0026401	3 G 0.5	7.3	39
0026402	4 G 0.5	7.9	46
0026403	5 G 0.5	8.4	54
0026404	7 G 0.5	9.8	70
0026405	12 G 0.5	11.3	100
0026419	2 X 0.75	7.3	39
0026420	3 G 0.75	7.8	48
0026421	4 G 0.75	8.4	59
0026422	5 G 0.75	9	69
0026423	7 G 0.75	10.7	90
0026424	12 G 0.75	12.4	129
0026425	16 G 0.75	14.2	186
0026426	18 G 0.75	14.9	205
0026427	25 G 0.75	17.4	271
0026430	2 X 1.0	7.7	46
0026431	3 G 1.0	8.2	57
0026432	4 G 1.0	8.9	70
0026433	5 G 1.0	9.8	81
0026434	7 G 1.0	11.4	110
0026435	12 G 1.0	13.4	182
0026438	18 G 1.0	16.1	254
0026439	25 G 1.0	18.8	365
0026449	2 X 1.5	8.4	58
0026450	3 G 1.5	9	75
0026451	4 G 1.5	9.9	91
0026452	5 G 1.5	10.9	112
0026453	7 G 1.5	12.7	145
0026454	12 G 1.5	15.1	247
0026456	18 G 1.5	17.8	348
0026457	25 G 1.5	21.2	498
0026470	3 G 2.5	10.8	119
0026471	4 G 2.5	11.8	161

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
0026472	5 G 2.5	13.2	194
0026473	7 G 2.5	15.8	262
0026474	12 G 2.5	18.2	410
0026475	14 G 2.5	19.8	490
0026481	4 G 4.0	13.7	238
0026483	4 G 6.0	16.1	318
0026484	5 G 6.0	17.7	410
0026485	4 G 10.0	20.2	521
0026487	4 G 16.0	23.6	780

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