

ÖLFLEX® CLASSIC FD 810 P

Highly flexible control cable with PVC core insulation and abrasion and oil resistant PUR sheath

ÖLFLEX® CLASSIC FD 810 P - 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



Mechanical resistance



Oil-resistant



Power chain



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

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

Assembly lines, production lines, in all kinds of machines

In dry, damp or wet interiors with normal mechanical stress conditions

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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

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Product features

Flame-retardant according IEC 60332-1-2
High oil-resistance
Abrasion and notch-resistant
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
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 according 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 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 P			
0026300	2 X 0.5	5.3	10
0026301	3 G 0.5	5.7	15
0026302	4 G 0.5	6.3	19
0026303	5 G 0.5	6.8	24
0026304	7 G 0.5	8	34
0026305	12 G 0.5	9.5	58
0026306	18 G 0.5	11.4	86.4
0026319	2 X 0.75	5.7	15
0026320	3 G 0.75	6.2	22
0026321	4 G 0.75	6.8	29
0026322	5 G 0.75	7.4	37
0026323	7 G 0.75	8.9	51
0026324	12 G 0.75	10.6	87
0026326	18 G 0.75	12.7	130
0026327	25 G 0.75	15.2	181
0026330	2 X 1.0	6.1	20
0026331	3 G 1.0	6.6	29
0026332	4 G 1.0	7.3	39
0026333	5 G 1.0	8	48
0026334	7 G 1.0	9.6	67
0026335	12 G 1.0	11.4	115
0026338	18 G 1.0	13.9	173
0026339	25 G 1.0	16.4	240
0026341	34 G 1.0	18.9	326.4
0026342	41 G 1.0	20.6	394
0026343	50 G 1.0	22.3	480
0026344	65 G 1.0	25.4	624
0026349	2 X 1.5	6.8	29
0026350	3 G 1.5	7.4	43.2
0026351	4 G 1.5	8.1	58
0026352	5 G 1.5	9.1	72
0026353	7 G 1.5	10.9	101
0026354	12 G 1.5	12.9	173

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
0026355	16 G 1.5	14.6	230
0026356	18 G 1.5	15.6	259
0026357	25 G 1.5	18.6	360
0026359	34 G 1.5	21.1	489.6
0026361	42 G 1.5	23	629
0026362	50 G 1.5	25	720
0026370	3 G 2.5	9	72
0026371	4 G 2.5	10	96
0026372	5 G 2.5	11.2	120
0026373	7 G 2.5	13.6	168
0026374	12 G 2.5	16	288
0026375	14 G 2.5	17.2	336
0026381	4 G 4.0	11.7	160
0026382	5 G 4.0	13.1	200
0029200	1 G 6.0	6.4	60
0026383	4 G 6.0	13.9	230
0029210	1 G 10.0	7.7	100
0026385	4 G 10.0	17.6	384
0026386	5 G 10.0	19.6	480
0029220	1 G 16.0	9.2	160
0026387	4 G 16.0	21	615

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