



ÖLFLEX® CLASSIC FD 810 CP

Screened, PVC-insulated, numbered, PVC inner and PUR outer sheath

LAPP KABEL STUTTGART ÖLFLEX® FD CLASSIC 810 CP CE

Info

- Core Line for ordinary duty in power chain applications
- EMC-compliant

Benefits

- Well-proven and reliable
- Various applications

Application range

- In power chains or moving machine parts
- Particularly in wet areas of machine tools and transfer lines
- Mechanical engineering
- Suitable for use in measuring, control and regulating circuits
- Power circuits for electrical equipments used in automation engineering

Product features

- Low-adhesive surface
- Oil-resistant
- Flame-retardant according to IEC 60332.1.2
- In dry, damp or wet interiors with normal mechanical stress conditions
- Designed for 2 up to 8 million bending/unbending cycles in power chain applications.

Norm references / Approvals

- Core based on VDE 0245/0285
- Outer sheath based on VDE 0245/0285
- For travel distances up to 10 m.
- For use in power chains: Please comply with the assembly guidelines listed in 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 (RAL 7001)

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

Specific insulation resistance
> 20 GOhm x cm

Conductor stranding
Extra-fine wire acc. to VDE 0295, class 6 / IEC 60228 class 6

Minimum bending radius
For flexible use:
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

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0026400	2 X 0.5	6.9	33.0	70
0026401	3 G 0.5	7.3	39.0	80
0026402	4 G 0.5	7.9	46.0	94
0026403	5 G 0.5	8.4	54.0	106
0026404	7 G 0.5	9.8	70.0	138
0026405	12 G 0.5	11.3	100.0	194
0026419	2 X 0.75	7.3	39.0	81
0026420	3 G 0.75	7.8	48.0	95
0026421	4 G 0.75	8.4	59.0	111
0026422	5 G 0.75	9.0	69.0	128
0026423	7 G 0.75	10.7	90.0	171
0026424	12 G 0.75	12.4	129.0	244
0026425	16 G 0.75	14.2	186.0	328
0026426	18 G 0.75	14.9	205.0	356
0026427	25 G 0.75	17.4	271.0	479
0026430	2 X 1.0	7.7	46.0	93
0026431	3 G 1.0	8.2	57.0	109
0026432	4 G 1.0	8.9	70.0	129
0026433	5 G 1.0	9.8	81.0	154
0026434	7 G 1.0	11.4	110.0	200
0026435	12 G 1.0	13.4	182.0	304

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0026438	18 G 1.0	16.1	254.0	429
0026439	25 G 1.0	18.8	365.0	593
0026449	2 X 1.5	8.4	58.0	112
0026450	3 G 1.5	9.0	75.0	133
0026451	4 G 1.5	9.9	91.0	163
0026452	5 G 1.5	10.9	112.0	193
0026453	7 G 1.5	12.7	145.0	252
0026454	12 G 1.5	15.1	247.0	391
0026456	18 G 1.5	17.8	348.0	542
0026457	25 G 1.5	21.2	498.0	767
0026470	3 G 2.5	10.8	119.0	199
0026471	4 G 2.5	11.8	161.0	238
0026472	5 G 2.5	13.2	194.0	297
0026473	7 G 2.5	15.8	262.0	403
0026474	12 G 2.5	18.2	410.0	589
0026475	14 G 2.5	19.8	490.0	702
0026481	4 G 4	13.7	238.0	349
0026483	4 G 6	16.1	318.0	499
0026484	5 G 6	17.7	410.0	596
0026485	4 G 10	20.2	521.0	842
0026487	4 G 16	23.6	780.0	1173

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.

Similar products

- ÖLFLEX® FD 855 CP refer to page 121

Accessories

- SKINTOP® MS-M BRUSH refer to page 675
- SILVYN® CHAIN cable protection and guiding systems