



ÖLFLEX® CLASSIC FD 810 CY

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

LAPP KABEL STUTTGART ÖLFLEX® FD CLASSIC 810 CY CE



Info

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

Benefits

- Well-proven and reliable
- Cost-effective solution

Application range

- In power chains or moving machine parts
- Suitable for use in measuring, control and regulating circuits
- Power circuits for electrical equipments used in automation engineering
- Assembly lines, production lines, in all kinds of machines
- Plant engineering

Product features

- Low-adhesive surface
- Flame-retardant according IEC 60332-1-2
- In damp or wet interiors
- Designed for 2 up to 8 million bending/unbending cycles in power chain applications.
- Only for outdoor use within the indicated operating temperature range, with UV-protection

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 layers in short lay lengths
- PVC inner sheath, grey
- Tinned-copper braiding
- Non-woven wrapping
- PVC 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: 0°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)
0026200	2 X 0.5	6.9	33.0	74
0026201	3 G 0.5	7.3	39.0	84
0026202	4 G 0.5	7.9	46.0	98
0026203	5 G 0.5	8.4	54.0	110
0026204	7 G 0.5	9.8	70.0	143
0026205	12 G 0.5	11.3	100.0	201
0026206	18 G 0.5	13.4	153.0	287
0026207	25 G 0.5	15.9	202.0	394
0026208	30 G 0.5	16.5	228.0	432
0026219	2 X 0.75	7.3	39.0	85
0026220	3 G 0.75	7.8	48.0	99
0026221	4 G 0.75	8.4	59.0	116
0026222	5 G 0.75	9.0	69.0	133
0026223	7 G 0.75	10.7	90.0	178
0026224	12 G 0.75	12.4	129.0	253
0026226	18 G 0.75	14.9	205.0	368
0026227	25 G 0.75	17.4	271.0	496
0026229	30 G 0.75	18.0	320.0	549
0026230	2 X 1.0	7.7	46.0	97
0026231	3 G 1.0	8.2	57.0	114
0026232	4 G 1.0	8.9	70.0	134
0026233	5 G 1.0	9.8	81.0	159
0026234	7 G 1.0	11.4	110.0	207
0026235	12 G 1.0	13.4	182.0	314
0026238	18 G 1.0	16.1	254.0	443

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0026239	25 G 1.0	18.8	365.0	612
0026240	26 G 1.0	18.8	374.0	625
0026241	34 G 1.0	21.5	463.0	787
0026242	41 G 1.0	23.2	542.0	918
0026243	50 G 1.0	25.3	640.0	1120
0026249	2 X 1.5	8.4	58.0	117
0026250	3 G 1.5	9.0	75.0	139
0026251	4 G 1.5	9.9	91.0	169
0026252	5 G 1.5	10.9	112.0	201
0026253	7 G 1.5	12.7	145.0	262
0026254	12 G 1.5	15.1	247.0	404
0026255	16 G 1.5	16.8	314.0	503
0026256	18 G 1.5	17.8	348.0	560
0026257	25 G 1.5	21.2	498.0	793
0026259	34 G 1.5	23.9	700.0	1005
0026270	3 G 2.5	10.8	119.0	207
0026271	4 G 2.5	11.8	161.0	247
0026272	5 G 2.5	13.2	194.0	307
0026273	7 G 2.5	15.8	262.0	418
0026281	4 G 4	13.7	238.0	360
0026282	5 G 4	15.3	280.0	436
0026283	4 G 6	16.1	318.0	514
0026285	4 G 10	20.2	521.0	824
0026287	4 G 16	23.6	780.0	1207

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 891 CY refer to page 115

Accessories

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