



# ÖLFLEX® CLASSIC FD 810 CY

Highly flexible, screened control cable with PVC core insulation and PVC inner and outer sheath



**Info**

- Core Line for ordinary duty in power chain applications
- The classic for multi-functional use
- EMC-compliant

- Benefits**
- Well-proven and reliable
  - Cost-effective solution
  - Additional robustness thanks to inner sheath
  - Copper screening complies with EMC requirements and protects against electromagnetic interference

- Product features**
- Designed for 5 million alternating bending cycles and travel distances up to 10 meter
  - Flame-retardant according IEC 60332-1-2
  - Low-adhesive surface
  - EMC-compliant

- 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
  - 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 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 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

**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**  
 U<sub>0</sub>/U: 300/500 V

**Test voltage**  
 4000 V

**Protective conductor**  
 G = with GN-YE protective conductor  
 X = without protective conductor

**Alternating bending cycles**  
 5 mio. cycles

**Temperature range**  
 Flexing: 0°C to +70°C  
 Fixed installation: -40°C to +80°C

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® CLASSIC FD 810 CY</b>				
0026200	2 X 0.5	6.9	33	74
0026201	3 G 0.5	7.3	39	84
0026202	4 G 0.5	7.9	46	98
0026203	5 G 0.5	8.4	54	110
0026204	7 G 0.5	9.8	70	143
0026205	12 G 0.5	11.3	100	201
0026206	18 G 0.5	13.4	153	287
0026207	25 G 0.5	15.9	202	394
0026208	30 G 0.5	16.5	228	432
0026219	2 X 0.75	7.3	39	85
0026220	3 G 0.75	7.8	48	99
0026221	4 G 0.75	8.4	59	116
0026222	5 G 0.75	9	69	133
0026223	7 G 0.75	10.7	90	178
0026224	12 G 0.75	12.4	129	253
0026226	18 G 0.75	14.9	205	368
0026227	25 G 0.75	17.4	271	496
0026229	30 G 0.75	18	320	549
0026230	2 X 1.0	7.7	46	97
0026231	3 G 1.0	8.2	57	114
0026232	4 G 1.0	8.9	70	134
0026233	5 G 1.0	9.8	81	159
0026234	7 G 1.0	11.4	110	207
0026235	12 G 1.0	13.4	182	314

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0026238	18 G 1.0	16.1	254	443
0026239	25 G 1.0	18.8	365	612
0026240	26 G 1.0	18.8	374	625
0026241	34 G 1.0	21.5	463	787
0026242	41 G 1.0	23.2	542	918
0026243	50 G 1.0	25.3	640	1120
0026249	2 X 1.5	8.4	58	117
0026250	3 G 1.5	9	75	139
0026251	4 G 1.5	9.9	91	169
0026252	5 G 1.5	10.9	112	201
0026253	7 G 1.5	12.7	145	262
0026254	12 G 1.5	15.1	247	404
0026255	16 G 1.5	16.8	314	503
0026256	18 G 1.5	17.8	348	560
0026257	25 G 1.5	21.2	498	793
0026259	34 G 1.5	23.9	700	1005
0026270	3 G 2.5	10.8	119	207
0026271	4 G 2.5	11.8	161	247
0026272	5 G 2.5	13.2	194	307
0026273	7 G 2.5	15.8	262	418
0026281	4 G 4	13.7	238	360
0026282	5 G 4	15.3	280	436
0026283	4 G 6	16.1	318	514
0026285	4 G 10	20.2	521	824
0026287	4 G 16	23.6	780	1207

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
 Copper price basis: EUR 150/100 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](http://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 128

- Accessories**
- SKINTOP® MS-M BRUSH refer to page 733
  - SILVYN® CHAIN cable protection and guiding systems

ÖLFLEX® UNITRONIC® ETHERLINE® HITRONIC® EPIC® SKINTOP® SILVYN® FLEXIMARK® ACCESSORIES APPENDIX