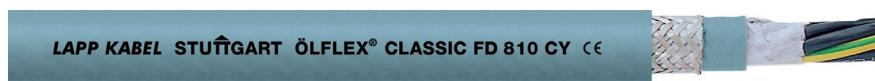




## ÖLFLEX® CLASSIC FD 810 CY

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

- 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

- 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

- 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