

## ÖLFLEX® CLASSIC FD 810 CP

Highly flexible, screened control cable with PVC insulation, inner sheath and abrasion and oil resistant PUR jacket

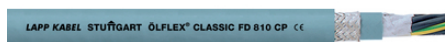
ÖLFLEX® CLASSIC FD 810 CP - Screened power and control cable for versatile use in power chains in harsh environmental conditions

### Info

Core Line Performance - Medium to increased travel lengths or acceleration

Oil resistant and abrasion-proof

EMC compliant copper screening



Mechanical resistance



Oil-resistant



Power chain



Interference signals



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

Additional robustness thanks to inner sheath

Copper braiding screens the cable against electromagnetic interference

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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

### Product features

Flame-retardant according to IEC 60332.1.2  
High oil-resistance  
Abrasion and notch-resistant  
EMC-compliant  
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  
PVC inner sheath  
Tinned-copper braiding  
PUR outer sheath, grey (similar RAL 7001)

### Technical Data

|                                        |                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------|
| Classification ETIM 5:                 | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable        |
| Classification ETIM 6:                 | ETIM 6.0 Class-ID: EC000104<br>ETIM 6.0 Class-Description: Control cable        |
| Core identification code:              | Black with white numbers acc. to VDE 0293-334                                   |
| Conductor stranding:                   | Extra-fine wire acc. to VDE 0295, class 6/ IEC 60228 class 6                    |
| Minimum bending radius:                | Flexing: up from 7.5 x outer diameter<br>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<br>X = without protective conductor         |
| Temperature range:                     | Flexing: -5 °C to +70 °C<br>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

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## ÖLFLEX® CLASSIC FD 810 CP

surcharges.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://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.

# ÖLFLEX® CLASSIC FD 810 CP

| Article number            | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---------------------------|---------------------------------------------------|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC FD 810 CP |                                                   |                     |                      |                |
| 0026400                   | 2 X 0.5                                           | 6.9                 | 33                   | 70             |
| 0026401                   | 3 G 0.5                                           | 7.3                 | 39                   | 80             |
| 0026402                   | 4 G 0.5                                           | 7.9                 | 46                   | 94             |
| 0026403                   | 5 G 0.5                                           | 8.4                 | 54                   | 106            |
| 0026404                   | 7 G 0.5                                           | 9.8                 | 70                   | 138            |
| 0026405                   | 12 G 0.5                                          | 11.3                | 100                  | 194            |
| 0026419                   | 2 X 0.75                                          | 7.3                 | 39                   | 81             |
| 0026420                   | 3 G 0.75                                          | 7.8                 | 48                   | 95             |
| 0026421                   | 4 G 0.75                                          | 8.4                 | 59                   | 111            |
| 0026422                   | 5 G 0.75                                          | 9                   | 69                   | 128            |
| 0026423                   | 7 G 0.75                                          | 10.7                | 90                   | 171            |
| 0026424                   | 12 G 0.75                                         | 12.4                | 129                  | 244            |
| 0026425                   | 16 G 0.75                                         | 14.2                | 186                  | 328            |
| 0026426                   | 18 G 0.75                                         | 14.9                | 205                  | 356            |
| 0026427                   | 25 G 0.75                                         | 17.4                | 271                  | 479            |
| 0026430                   | 2 X 1.0                                           | 7.7                 | 46                   | 93             |
| 0026431                   | 3 G 1.0                                           | 8.2                 | 57                   | 109            |
| 0026432                   | 4 G 1.0                                           | 8.9                 | 70                   | 129            |
| 0026433                   | 5 G 1.0                                           | 9.8                 | 81                   | 154            |
| 0026434                   | 7 G 1.0                                           | 11.4                | 110                  | 200            |
| 0026435                   | 12 G 1.0                                          | 13.4                | 182                  | 304            |
| 0026438                   | 18 G 1.0                                          | 16.1                | 254                  | 429            |
| 0026439                   | 25 G 1.0                                          | 18.8                | 365                  | 593            |
| 0026449                   | 2 X 1.5                                           | 8.4                 | 58                   | 112            |
| 0026450                   | 3 G 1.5                                           | 9                   | 75                   | 133            |
| 0026451                   | 4 G 1.5                                           | 9.9                 | 91                   | 163            |
| 0026452                   | 5 G 1.5                                           | 10.9                | 112                  | 193            |
| 0026453                   | 7 G 1.5                                           | 12.7                | 145                  | 252            |
| 0026454                   | 12 G 1.5                                          | 15.1                | 247                  | 391            |
| 0026456                   | 18 G 1.5                                          | 17.8                | 348                  | 542            |
| 0026457                   | 25 G 1.5                                          | 21.2                | 498                  | 767            |
| 0026470                   | 3 G 2.5                                           | 10.8                | 119                  | 199            |
| 0026471                   | 4 G 2.5                                           | 11.8                | 161                  | 238            |
|                           |                                                   |                     |                      |                |

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| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 0026472        | 5 G 2.5                                           | 13.2                | 194                  | 297            |
| 0026473        | 7 G 2.5                                           | 15.8                | 262                  | 403            |
| 0026474        | 12 G 2.5                                          | 18.2                | 410                  | 589            |
| 0026475        | 14 G 2.5                                          | 19.8                | 490                  | 702            |
| 0026481        | 4 G 4.0                                           | 13.7                | 238                  | 349            |
| 0026483        | 4 G 6.0                                           | 16.1                | 318                  | 499            |
| 0026484        | 5 G 6.0                                           | 17.7                | 410                  | 596            |
| 0026485        | 4 G 10.0                                          | 20.2                | 521                  | 842            |
| 0026487        | 4 G 16.0                                          | 23.6                | 780                  | 1173           |

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