
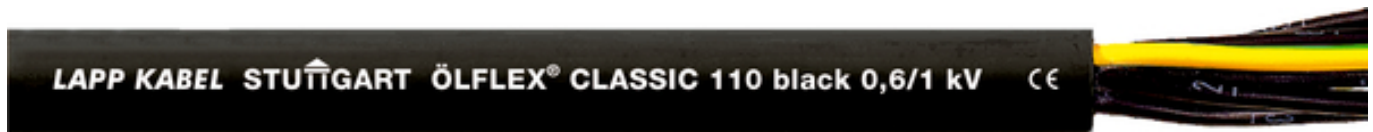


|                   |   |  |
|-------------------|---|--|
| U.I. Lapp<br>GmbH | <b>PRODUCT INFORMATION</b>                |  |
|                   | <b>ÖLFLEX® CLASSIC 110 BLACK 0,6/1 kV</b> | 14.11.2013   |



Suitable for outdoor use



Torsion-resistant



UV-resistant

#### Info

Good outdoor performance

#### Application range

Plant engineering Industrial machinery Heating and air-conditioning systems Power stations Stage applications  
For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load  
Suitable for direct burial  
Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

#### Design

Fine-wire strand made of bare copper wires  
PVC insulation LAPP P8/1  
PVC outer sheath, black (RAL 9005)

#### Norm references / Approvals

Based on VDE 0250-1 and HD 627-1 S1

#### Product features

Flame-retardant according IEC 60332-1-2  
UV and weather-resistant according to ISO 4892-2  
Ozone-resistant according to EN 50396

#### Remark

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](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.

\*OD = Outer diameter

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### Technical Data

|                           |  |
|---------------------------|--|
| Core identification code: | Black with white numbers acc. to VDE 0293-1                              |
| Classification:           | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable |
| Conductor stranding:      | Fine wire according to VDE 0295,<br>class 5/IEC 60228 class 5            |
| Torsion movement in WTG:  | TW-0 & TW-1, refer to Appendix T0  |
| Minimum bending radius:   | Static/Occ. moved: 4/15xOD*  |
| Nominal voltage:          | U <sub>0</sub> /U: 600/1000 V  |
| Test voltage:             | 4000 V   |
| Protective conductor:     | G = with GN-YE protective conductor<br>X = without protective conductor  |
| Temperature range:        | Occasional flexing: -5°C to +70°C<br>Fixed installation: -40°C to +80°C  |

|                    |                           |       |
|--------------------|---------------------------|-------|
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|--------------------|---------------------------|-------|

| Part number               | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) |
|---------------------------|---|---------------------|----------------------|
| ÖLFLEX® CLASSIC 110 BLACK |   |                     |                      |
| 1120232                   | 2 X0,75   | 8,3                 | 14.4                 |
| 1120233                   | 3 G0,75   | 8,7                 | 21.6                 |
| 1120234                   | 3 X0,75   | 8,7                 | 21.6                 |
| 1120235                   | 4 G0,75   | 9,2                 | 29.0                 |
| 1120237                   | 5 G0,75   | 9,9                 | 36.0                 |
| 1120241                   | 7 G0,75   | 10,7                | 51.0                 |
| 1120248                   | 12 G0,75  | 13,4                | 86.0                 |
| 1120251                   | 18 G0,75  | 15,4                | 130.0                |
| 1120259                   | 41 G0,75  | 21,6                | 296.0                |
| 1120266                   | 2 X1,0  | 8,6                 | 19.2                 |
| 1120267                   | 3 G1,0  | 9.0                 | 29.0                 |
| 1120268                   | 3 X1,0  | 9.0                 | 29.0                 |
| 1120269                   | 4 G1,0  | 9,6                 | 38.4                 |
| 1120270                   | 4 X1,0  | 9,6                 | 38.4                 |
| 1120271                   | 5 G1,0  | 10,4                | 48.0                 |
| 1120274                   | 7 G1,0  | 11,1                | 67.0                 |
| 1120280                   | 12 G1,0   | 14.0                | 116.0                |
| 1120284                   | 18 G1,0   | 16,1                | 173.0                |
| 1120290                   | 25 G1,0   | 18,6                | 240.0                |
| 1120294                   | 34 G1,0   | 21,3                | 326.0                |
| 1120298                   | 41 G1,0   | 23,2                | 394.0                |
| 1120306                   | 2 X1,5  | 9,6                 | 29.0                 |
| 1120307                   | 3 G1,5  | 10,1                | 43.0                 |
| 1120308                   | 3 X1,5  | 10,1                | 43.0                 |
| 1120309                   | 4 G1,5  | 10,8                | 58.0                 |
| 1120311                   | 5 G1,5  | 11,7                | 72.0                 |
| 1120314                   | 7 G1,5  | 12,6                | 101.0                |
| 1120320                   | 12 G1,5   | 16,1                | 173.0                |
| 1120322                   | 14 G1,5   | 17.0                | 202.0                |
| 1120324                   | 18 G1,5   | 18,8                | 259.0                |
| 1120328                   | 25 G1,5   | 21,7                | 360.0                |

| Part number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) |
|-------------|---|---------------------|----------------------|
| 1120330     | 34 G1,5   | 24,9                | 490.0                |
| 1120333     | 50 G1,5   | 29,8                | 720.0                |
| 1120339     | 2 X2,5  | 10,8                | 48.0                 |
| 1120340     | 3 G2,5  | 11,3                | 72.0                 |
| 1120342     | 4 G2,5  | 12,2                | 96.0                 |
| 1120343     | 4 X2,5  | 12,2                | 96.0                 |
| 1120344     | 5 G2,5  | 13,3                | 120.0                |
| 1120346     | 7 G2,5  | 14,4                | 168.0                |
| 1120349     | 12 G2,5   | 18,7                | 288.0                |
| 1120350     | 14 G2,5   | 19,8                | 336.0                |
| 1120351     | 18 G2,5   | 22.0                | 432.0                |
| 1120353     | 25 G2,5   | 25,8                | 600.0                |
| 1120360     | 4 G4  | 13,8                | 154.0                |
| 1120361     | 5 G4  | 15,1                | 192.0                |
| 1120362     | 7 G4  | 16,4                | 269.0                |
| 1120366     | 4 G6  | 15,1                | 230.0                |
| 1120367     | 5 G6  | 16,8                | 288.0                |
| 1120368     | 7 G6  | 18,2                | 403.0                |
| 1120370     | 4 G10   | 18,7                | 384.0                |
| 1120371     | 5 G10   | 20,7                | 480.0                |
| 1120374     | 4 G16   | 21,3                | 614.0                |
| 1120375     | 5 G16   | 23,6                | 768.0                |
| 1120376     | 7 G16   | 26,2                | 1075.0               |
| 1120378     | 4 G25   | 26,2                | 960.0                |
| 1120379     | 5 G25   | 29.0                | 1200.0               |
| 1120382     | 4 G35   | 29,1                | 1344.0               |
| 1120383     | 5 G35   | 32,5                | 1680.0               |

| Part number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) |
|-------------|---|---------------------|----------------------|
| 1120385     | 4 G50   | 35,6                | 1920.0               |
| 1120387     | 4 G70   | 40,7                | 2688.0               |
| 1120389     | 4 G95   | 46,8                | 3648.0               |
| 1120390     | 4 G120  | 53,5                | 4608.0               |

Product Management

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