

## ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV

ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV power and control cable, various applications, PVC, conductor class 5, number coded black cores, screened, outdoor

### Info

Good outdoor performance  
EMC/Screened



UV-resistant



Interference signals



Suitable for outdoor use

### Application range

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Power stations

For frequency converter-powered 3-phase AC motors

In EMC-sensitive environments

(electromagnetic compatibility)

Servo Drive Connection Cable

For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

Each dimension with nominal/ minimum average wall thickness of the outer sheath of at least 1.8 mm: For applications where a strengthened outer sheath may turn out to be advantageous

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

PN 0456 / 02\_03.16

## ÖLFLEX® CLASSIC 110 CY BLACK 0,6/1 kV

### Product features

Flame-retardant according IEC 60332-1-2  
UV and weather-resistant according to ISO 4892-2  
Ozone-resistant according to EN 50396  
High degree of screening  
low transfer impedance  
(max. 250 Ω/km at 30 MHz)

### Norm references / Approvals

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

### Product Make-up

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

### 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 0293-1                                 |
| Conductor stranding:      | Fine wire according to VDE 0295,<br>class 5/IEC 60228 class 5               |
| Minimum bending radius:   | Static/Occ. moved: 6/20xOD*   |
| Nominal voltage:          | U0/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 |

### Note

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 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.

\*OD = Outer diameter

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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) |
|------------------------------|---|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC 110 CY BLACK |   |                     |                      |                |
| 1121232                      | 2 X 0.75  | 10.5                | 46                   | 183            |
| 1121233                      | 3 G 0.75  | 10.9                | 56                   | 210            |
| 1121235                      | 4 G 0.75  | 11.4                | 67                   | 214            |
| 1121236                      | 4 X 0.75  | 11.4                | 67                   | 214            |
| 1121237                      | 5 G 0.75  | 12.1                | 78                   | 272            |
| 1121241                      | 7 G 0.75  | 12.9                | 97                   | 242            |
| 1121247                      | 12 G 0.75   | 15.8                | 168                  | 464            |
| 1121251                      | 18 G 0.75   | 18                  | 229                  | 616            |
| 1121254                      | 25 G 0.75   | 20.7                | 296                  | 762            |
| 1121266                      | 2 X 1   | 10.8                | 52                   | 198            |
| 1121267                      | 3 G 1   | 11.2                | 66                   | 228            |
| 1121268                      | 3 X 1   | 11.2                | 66                   | 228            |
| 1121269                      | 4 G 1   | 11.8                | 79                   | 261            |
| 1121270                      | 4 X 1   | 11.8                | 79                   | 261            |
| 1121271                      | 5 G 1   | 12.6                | 93                   | 300            |
| 1121274                      | 7 G 1   | 13.3                | 117                  | 335            |
| 1121280                      | 12 G 1  | 16.4                | 204                  | 522            |
| 1121284                      | 18 G 1  | 18.7                | 280                  | 687            |
| 1121290                      | 25 G 1  | 21.6                | 369                  | 884            |
| 1121306                      | 2 X 1.5   | 11.8                | 69                   | 243            |
| 1121307                      | 3 G 1.5   | 12.3                | 87                   | 214            |
| 1121308                      | 3 X 1.5   | 12.3                | 87                   | 273            |
| 1121309                      | 4 G 1.5   | 13                  | 102                  | 290            |
| 1121310                      | 4 X 1.5   | 13                  | 102                  | 290            |
| 1121311                      | 5 G 1.5   | 13.9                | 125                  | 352            |
| 1121314                      | 7 G 1.5   | 15                  | 180                  | 448            |
| 1121320                      | 12 G 1.5  | 18.7                | 281                  | 690            |
| 1121324                      | 18 G 1.5  | 21.8                | 391                  | 938            |
| 1121328                      | 25 G 1.5  | 25.1                | 518                  | 1180           |
| 1121340                      | 3 G 2.5   | 13.5                | 123                  | 315            |
| 1121342                      | 4 G 2.5   | 14.6                | 168                  | 349            |
| 1121344                      | 5 G 2.5   | 15.7                | 204                  | 515            |
| 1121346                      | 7 G 2.5   | 17                  | -                    | 619            |

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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) |
|----------------|---|---------------------|----------------------|----------------|
| 1121349        | 12 G 2.5  | 21.7                | 421                  | 936            |
| 1121360        | 4 G 4   | 16.2                | 238                  | 587            |
| 1121361        | 5 G 4   | 17.7                | 302                  | 689            |
| 1121362        | 7 G 4   | 19                  | 396                  | 828            |
| 1121367        | 4 G 6   | 17.7                | 318                  | 715            |
| 1121368        | 5 G 6   | 19.2                | 419                  | 862            |
| 1121372        | 4 G 10  | 21.7                | 574                  | 875            |
| 1121373        | 5 G 10  | 23                  | 612                  | 1037           |
| 1121377        | 4 G 16  | 24.3                | 809                  | 1656           |
| 1121378        | 5 G 16  | 26.7                | 935                  | 1500           |
| 1121381        | 4 G 25  | 29.8                | 1165                 | 2179           |
| 1121385        | 4 G 35  | 32.7                | 1683                 | 2893           |
| 1121388        | 4 G 50  | 39.6                | 2368                 | 4094           |
| 1121391        | 4 G 70  | 44.5                | 3261                 | 5467           |
| 1121394        | 4 G 95  | 51                  | 4055                 | 5849           |
| 1121397        | 4 G 120   | 58.1                | 5225                 | 7509           |

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