

## ÖLFLEX® CLASSIC 110 CY

Screened PVC control cable with transparent outer sheath

ÖLFLEX® CLASSIC 110 CY - PVC control cable, VDE registered, screened, flexible and numbered for various applications,  $U_0/U$ : 300/500V

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

VDE reg. no. 7030

EMC-compliant



Good chemical resistance



Interference signals

### Benefits

Space-saving installation due to small cable diameters

High electrical performance due to 4 kV test voltage

### Application range

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Conveyor and transport systems

In EMC-sensitive environments

(electromagnetic compatibility)

### Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

High degree of screening

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

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low transfer impedance  
(max. 250  $\Omega$ /km at 30 MHz)

### Norm references / Approvals

VDE reg. no. 7030

### Product Make-up

Fine-wire strand made of bare copper wires  
PVC insulation LAPP P8/1  
Cores twisted in layers  
PVC inner sheath, grey  
Tinned-copper braiding  
PVC outer sheath, transparent

### 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:      | Fine wire according to VDE 0295,<br>class 5/IEC 60228 class 5                     |
| Minimum bending radius:   | Occasional flexing: 20 x outer diameter<br>Fixed installation: 6 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:        | 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  $\leq$  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.

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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) |
|------------------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 1135628                | 5 G 35.0                                          | 33.2                | 1901                 | 2710           |
| ÖLFLEX® CLASSIC 110 CY |                                                   |                     |                      |                |
| 1135752                | 2 X 0.5                                           | 7                   | 41                   | 75             |
| 1135003                | 3 G 0.5                                           | 7.3                 | 45.5                 | 83             |
| 1135753                | 3 X 0.5                                           | 7.3                 | 45.5                 | 83             |
| 1135004                | 4 G 0.5                                           | 7.9                 | 55                   | 99             |
| 1135754                | 4 X 0.5                                           | 7.9                 | 55                   | 99             |
| 1135005                | 5 G 0.5                                           | 8.4                 | 66                   | 112            |
| 1135755                | 5 X 0.5                                           | 8.4                 | 66                   | 112            |
| 1135007                | 7 G 0.5                                           | 8.9                 | 80.5                 | 132            |
| 1135757                | 7 X 0.5                                           | 8.9                 | 80.5                 | 132            |
| 1135012                | 12 G 0.5                                          | 11.3                | 138.5                | 202            |
| 1135762                | 12 X 0.5                                          | 11.3                | 138.5                | 202            |
| 1135018                | 18 G 0.5                                          | 13.3                | 156.4                | 289            |
| 1135025                | 25 G 0.5                                          | 15.2                | 250                  | 378            |
| 1135030                | 30 G 0.5                                          | 16.1                | 297                  | 429            |
| 1135040                | 40 G 0.5                                          | 18.2                | 343                  | 542            |
| 1135802                | 2 X 0.75                                          | 7.4                 | 46                   | 86             |
| 1135103                | 3 G 0.75                                          | 7.9                 | 57.9                 | 100            |
| 1135803                | 3 X 0.75                                          | 7.9                 | 57.9                 | 100            |
| 1135104                | 4 G 0.75                                          | 8.4                 | 64                   | 115            |
| 1135804                | 4 X 0.75                                          | 8.4                 | 64                   | 115            |
| 1135105                | 5 G 0.75                                          | 8.9                 | 77.4                 | 130            |
| 1135805                | 5 X 0.75                                          | 8.9                 | 77.4                 | 130            |
| 1135107                | 7 G 0.75                                          | 9.7                 | 102                  | 161            |
| 1135807                | 7 X 0.75                                          | 9.7                 | 102                  | 161            |
| 1135112                | 12 G 0.75                                         | 12.3                | 177                  | 247            |
| 1135812                | 12 X 0.75                                         | 12.3                | 177                  | 247            |
| 1135118                | 18 G 0.75                                         | 14.5                | 243                  | 356            |
| 1135818                | 18 X 0.75                                         | 14.5                | 243                  | 356            |
| 1135125                | 25 G 0.75                                         | 16.6                | 307.3                | 465            |
| 1135134                | 34 G 0.75                                         | 18.9                | 323.2                | 601            |
| 1135840                | 40 X 0.75                                         | 20.5                | 369.4                | 734            |
| 1135141                | 41 G 0.75                                         | 20.6                | 488                  | 728            |
|                        |                                                   |                     |                      |                |

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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) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 1135852        | 2 X 1.0                                           | 7.9                 | 56                   | 98             |
| 1135203        | 3 G 1.0                                           | 8.2                 | 65.3                 | 111            |
| 1135853        | 3 X 1.0                                           | 8.2                 | 65.3                 | 111            |
| 1135204        | 4 G 1.0                                           | 8.7                 | 78.1                 | 130            |
| 1135854        | 4 X 1.0                                           | 8.7                 | 78.1                 | 130            |
| 1135205        | 5 G 1.0                                           | 9.5                 | 89.4                 | 153            |
| 1135207        | 7 G 1.0                                           | 10.2                | 113.3                | 185            |
| 1135212        | 12 G 1.0                                          | 13.3                | 188.1                | 307            |
| 1135216        | 16 G 1.0                                          | 14.6                | 216                  | 390            |
| 1135218        | 18 G 1.0                                          | 15.5                | 286                  | 418            |
| 1135225        | 25 G 1.0                                          | 17.5                | 388.5                | 544            |
| 1135234        | 34 G 1.0                                          | 20.3                | 505                  | 738            |
| 1135241        | 41 G 1.0                                          | 22                  | 578                  | 864            |
| 1135250        | 50 G 1.0                                          | 23.8                | 688                  | 1011           |
| 1135902        | 2 X 1.5                                           | 8.5                 | 65                   | 117            |
| 1135303        | 3 G 1.5                                           | 8.9                 | 83                   | 136            |
| 1135903        | 3 X 1.5                                           | 8.9                 | 83                   | 136            |
| 1135304        | 4 G 1.5                                           | 9.6                 | 100                  | 163            |
| 1135904        | 4 X 1.5                                           | 9.6                 | 100                  | 163            |
| 1135305        | 5 G 1.5                                           | 10.3                | 125                  | 188            |
| 1135905        | 5 X 1.5                                           | 10.3                | 125                  | 188            |
| 1135307        | 7 G 1.5                                           | 11.3                | 149                  | 237            |
| 1135907        | 7 X 1.5                                           | 11.3                | 149                  | 237            |
| 1135312        | 12 G 1.5                                          | 14.8                | 280                  | 393            |
| 1135318        | 18 G 1.5                                          | 17.2                | 389                  | 538            |
| 1135325        | 25 G 1.5                                          | 20.1                | 535                  | 745            |
| 1135334        | 34 G 1.5                                          | 22.8                | 702                  | 964            |
| 1135341        | 41 G 1.5                                          | 24.7                | 844.6                | 1123           |
| 1135350        | 50 G 1.5                                          | 27.1                | 1006                 | 1372           |
| 1135402        | 2 X 2.5                                           | 9.9                 | 112                  | 165            |
| 1135403        | 3 G 2.5                                           | 10.3                | 146                  | 192            |
| 1135404        | 4 G 2.5                                           | 11.3                | 167                  | 233            |
| 1135405        | 5 G 2.5                                           | 12.6                | 200                  | 283            |
| 1135407        | 7 G 2.5                                           | 13.9                | 288                  | 371            |
|                |                                                   |                     |                      |                |

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|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 1135412        | 12 G 2.5                                          | 17.6                | 477.3                | 585            |
| 1135502        | 2 X 4.0                                           | 11.4                | 120                  | 247            |
| 1135504        | 4 G 4.0                                           | 13.4                | 237                  | 347            |
| 1135505        | 5 G 4.0                                           | 14.7                | 280                  | 413            |
| 1135602        | 2 X 6.0                                           | 13.6                | 180                  | 353            |
| 1135604        | 4 G 6.0                                           | 15.8                | 318                  | 485            |
| 1135605        | 5 G 6.0                                           | 17.3                | 441                  | 702            |
| 1135607        | 7 G 6.0                                           | 18.8                | 530                  | 950            |
| 1135702        | 2 X 10.0                                          | 16.4                | 256                  | 492            |
| 1135615        | 3 G 10.0                                          | 17.4                | 362.4                | 507            |
| 1135614        | 4 G 10.0                                          | 19                  | 518                  | 735            |
| 1135616        | 5 G 10.0                                          | 21.3                | 595                  | 847            |
| 1135617        | 7 G 10.0                                          | 23.2                | 796                  | 1039           |
| 1135622        | 2 X 16.0                                          | 18.6                | 390                  | 698            |
| 1135624        | 4 G 16.0                                          | 22.2                | 804                  | 1395           |
| 1135623        | 5 G 16.0                                          | 24.4                | 935                  | 1440           |
| 1135626        | 4 G 25.0                                          | 26.9                | 1161                 | 1730           |
| 1135627        | 5 G 25.0                                          | 30                  | 1400                 | 2090           |
| 1135625        | 4 G 35.0                                          | 30.2                | 1543                 | 2210           |

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