# 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
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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PN 0456 / 02_03.16

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low transfer impedance
(max. 250 Ω/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
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.

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| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| 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 |
| 1135852 | 2 X 1.0 | 7.9 | 56 | 98 |
| | | | | |

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PRODUCT INFORMATION

| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| 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 |
| 1135412 | 12 G 2.5 | 17.6 | 477.3 | 585 |
| | | | | |

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| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| 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 |
| 1135628 | 5 G 35.0 | 33.2 | 1901 | 2710 |

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