

ÖLFLEX® CLASSIC 100 CY

Colour-coded and screened PVC control cable

ÖLFLEX® CLASSIC 100 CY - flexible PVC cable, colour coded and screened, power and control cable for various applications

Info

EMC-compliant



Interference signals



Good chemical resistance

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
Servo drives
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
low transfer impedance
(max. 250 Ω/km at 30 MHz)

Last Update (25.08.2016)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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Norm references / Approvals

Based on IEC 60227-5 and EN 50525-2-51

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 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable |
| Core identification code: | Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: ÖLFLEX® colour code, refer to Appendix T7 |
| Conductor stranding: | Fine wire according to VDE 0295, class 5/IEC 60228 class 5 |
| Minimum bending radius: | Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter |
| Nominal voltage: | Up to 1.0 mm ² : U ₀ /U: 300/500 V From 1.5 mm ² : U ₀ /U: 450/750 V Fixed, protected installation: U ₀ /U: 600/1000 V |
| Test voltage: | 4000 V |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor |
| Temperature range: | Occasional flexing: -5 °C to +70 °C 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).

Single lengths for sizes: ≥ 4G50 max. 500 m; ≥ 4G95 max. 400 m; ≥ 4G120 max. 300 m; ≥ 4G150 max. 250 m

Photographs 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.

**ÖLFLEX® CLASSIC 100 CY**

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|--|---|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC 100 CY; U ₀ /U: 300/500 V | | | | |
| 0035001 | 2 X 0.5 | 7 | 41 | 75 |
| 0035002 | 3 G 0.5 | 7.3 | 46 | 83 |
| 00350033 | 4 G 0.5 | 7.9 | 55 | 99 |
| 00352013 | 5 G 0.5 | 8.4 | 66 | 112 |
| 0035202 | 7 G 0.5 | 8.9 | 80 | 132 |
| 0035004 | 2 X 0.75 | 7.4 | 46 | 86 |
| 0035005 | 3 G 0.75 | 7.9 | 57 | 100 |
| 00350063 | 4 G 0.75 | 8.4 | 64 | 115 |
| 00350163 | 5 G 0.75 | 8.9 | 77 | 130 |
| 0035203 | 7 G 0.75 | 9.7 | 102 | 161 |
| 0035220 | 2 X 1 | 7.9 | 56 | 98 |
| 0035221 | 3 G 1 | 8.2 | 65 | 111 |
| 00352223 | 4 G 1 | 8.7 | 78 | 130 |
| 00352233 | 5 G 1 | 9.5 | 89 | 153 |
| 0035204 | 7 G 1 | 10.2 | 113 | 185 |
| ÖLFLEX® CLASSIC 100 CY; U ₀ /U: 450/750 V | | | | |
| 0035000 | 2 X 1.5 | 9.9 | 65 | 132 |
| 0035458 | 3 G 1.5 | 10.3 | 79 | 170 |
| 00354593 | 4 G 1.5 | 11.3 | 97 | 204 |
| 00354603 | 5 G 1.5 | 12.6 | 116 | 246 |
| 0035461 | 7 G 1.5 | 13.9 | 149 | 320 |
| 0035011 | 3 G 2.5 | 11.8 | 146 | 211 |
| 00350173 | 4 G 2.5 | 13.5 | 167 | 310 |
| 00350123 | 5 G 2.5 | 14.6 | 200 | 326 |
| 0035289 | 7 G 2.5 | 15.9 | 288 | 444 |
| 00350183 | 4 G 4 | 15.1 | 237 | 403 |
| 00350133 | 5 G 4 | 16.5 | 328 | 478 |
| 00350193 | 4 G 6 | 16.6 | 318 | 521 |
| 00350143 | 5 G 6 | 18.2 | 441 | 624 |
| 0034953 | 3 G 10 | 18.9 | 414 | 690 |
| 00350213 | 4 G 10 | 21.1 | 558 | 843 |
| 00352903 | 5 G 10 | 23.1 | 714 | 1004 |
| 0034954 | 3 G 16 | 21.7 | 607 | 910 |

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|----------------|---|---------------------|----------------------|----------------|
| 00350223 | 4 G 16 | 23.9 | 804 | 1164 |
| 00350153 | 5 G 16 | 26.8 | 1050 | 1812 |
| 0034955 | 3 G 25 | 26.6 | 936 | 1330 |
| 00350233 | 4 G 25 | 29.4 | 1289 | 1903 |
| 00350243 | 5 G 25 | 32.6 | 1446 | 2374 |
| 0034956 | 3 G 35 | 29.4 | 1258 | 1370 |
| 00350253 | 4 G 35 | 32.4 | 1693 | 2489 |
| 00350263 | 5 G 35 | 36 | 1975 | 2771 |
| 0034952 | 3 G 50 | 35.1 | 1748 | 2590 |
| 00350273 | 4 G 50 | 38.8 | 2342 | 3362 |
| 00350283 | 4 G 70 | 43.7 | 3035 | 3719 |
| 00350293 | 4 G 95 | 50.4 | 4055 | 5849 |
| 00354303 | 4 G 120 | 56.8 | 5225 | 7509 |
| 00354313 | 4 G 150 | 62.2 | 6300 | 7800 |
| 00354323 | 4 G 185 | 67.8 | 7753 | 9866 |

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