

## ÖLFLEX® CLASSIC 100 CY 300/500V

Colour-coded and screened PVC control cable

ÖLFLEX® CLASSIC 100 CY 300/500V - flexible PVC cable, colour coded and screened, control cable for various applications

### Info

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

EMC-compliant

For nominal voltage U0/U: 450/750V or higher conductor cross-sections see ÖLFLEX® CLASSIC 100 CY 450/750V



Good chemical resistance



Interference signals

### Benefits

Space-saving installation due to small cable diameters

High electrical performance due to 4 kV test voltage

Shielding against electromagnetic fields

### 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

Last Update (23.04.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

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## ÖLFLEX® CLASSIC 100 CY 300/500V

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

### Norm references / Approvals

Based on EN 50525-2-51

Based on EN 50525-2-11

### 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: EC001578<br>ETIM 5.0 Class-Description: Flexible cable                                                              |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC001578<br>ETIM 6.0 Class-Description: Flexible cable                                                              |
| Core identification code: | Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9<br>From 6 cores: ÖLFLEX® colour code, refer to Appendix T7 |
| 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).

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

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) |
|----------------------------------|---------------------------------------------------|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC 100 CY 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 1.0                                           | 7.9                 | 56                   | 98             |
| 0035221                          | 3 G 1.0                                           | 8.2                 | 65                   | 111            |
| 00352223                         | 4 G 1.0                                           | 8.7                 | 78                   | 130            |
| 00352233                         | 5 G 1.0                                           | 9.5                 | 89                   | 153            |
| 0035204                          | 7 G 1.0                                           | 10.2                | 113                  | 185            |
| 11356500                         | 3 G 1.5                                           | 8.9                 | 77                   | 135            |
| 11356501                         | 4 G 1.5                                           | 9.6                 | 94                   | 165            |
| 11356502                         | 3 G 2.5                                           | 10.3                | 118                  | 190            |
| 11356503                         | 4 G 2.5                                           | 11.3                | 149                  | 230            |
| 11356504                         | 4 G 4.0                                           | 13.4                | 222                  | 345            |
| 11356505                         | 4 G 6.0                                           | 15.8                | 317                  | 485            |
| 11356506                         | 4 G 10.0                                          | 19.5                | 497                  | 735            |
| 11356507                         | 4 G 16.0                                          | 22.7                | 757                  | 1200           |