

## ÖLFLEX® CLASSIC 110 ORANGE

ÖLFLEX® CLASSIC 110 ORANGE - PVC control cable, flexible and numbered orange cores, especially for warning purposes and exempted circuits, also for YSLY or YY

### Info

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

For warning purposes and for exempted circuits according to EN 60204-1, e.g. circuits for maintenance or interlocking circuits



Torsion-resistant



Good chemical resistance

### Benefits

Space-saving installation due to small cable diameters

High electrical performance due to 4 kV test voltage

### Application range

According to EN 60204-1 (VDE 0113-1), conductors of control circuits that are supplied by an external power source and/or remain live when the main switch is deactivated must be orange

Electrical lighting and socket circuits for maintenance or repair purposes

Undervoltage protection circuits

Interlocking control circuits

Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

### Product features

Flame-retardant according IEC 60332-1-2

Last Update (22.01.2018)

©2018 Lapp Group - Technical changes reserved

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

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

PN 0456 / 02\_03.16

# ÖLFLEX® CLASSIC 110 ORANGE

## 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  
Orange cores with black numbers  
Outer sheath: PVC, orange (similar to RAL 2003)

## 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: | Orange cores with black numbers   |
| Conductor stranding:      | Fine wire according to VDE 0295,<br>class 5/IEC 60228 class 5                     |
| Torsion movement in WTG:  | TW-0 & TW-1, refer to Appendix T0   |
| Minimum bending radius:   | Occasional flexing: 15 x outer diameter<br>Fixed installation: 4 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 ≤ 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.

**ÖLFLEX® CLASSIC 110 ORANGE**

| 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 ORANGE |   |                     |                      |                |
| 0019700                    | 2 X 1   | 5.7                 | 19.2                 | 53             |
| 0019701                    | 3 G 1   | 6                   | 28.8                 | 65             |
| 0019702                    | 3 X 1   | 6                   | 28.8                 | 65             |
| 0019706                    | 4 G 1   | 6.5                 | 38.4                 | 80             |
| 0019708                    | 4 X 1   | 6.5                 | 38.4                 | 80             |
| 0019709                    | 5 G 1   | 7.1                 | 50                   | 95             |
| 0019710                    | 2 X 1.5   | 6.3                 | 29                   | 68             |
| 0019711                    | 3 G 1.5   | 6.7                 | 43                   | 85             |
| 0019718                    | 4 G 1.5   | 7.2                 | 58                   | 105            |
| 0019720                    | 5 G 1.5   | 8.1                 | 72                   | 128            |

Last Update (22.01.2018)

©2018 Lapp Group - Technical changes reserved

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

You can find the current technical data in the corresponding data sheet.  
PN 0456 / 02\_03\_16