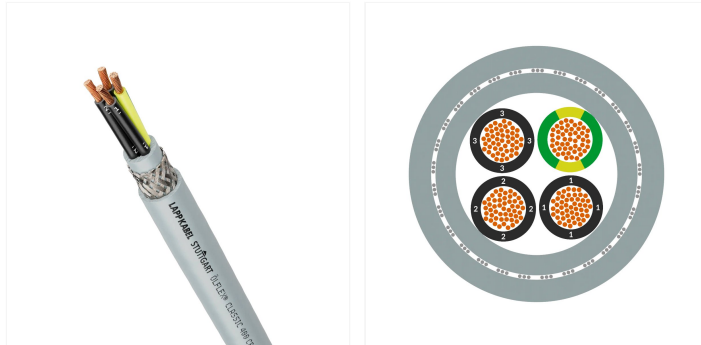


## ÖLFLEX® CLASSIC 400 CP 5G6

**Article No.:** 1313605

Power and control cable; 5G6; U<sub>0</sub>/U: 300/500 V; PUR; Core identification: Numbers; Shielded; Flexible



### Details

#### Benefits

- Durable, resistant product thanks to the outer jacket PUR material that is resistant to abrasions, notches and cuts.
- Additional robustness thanks to the extruded inner jacket.
- Ideal protection against electromagnetic interference thanks to copper shielding braiding with a high degree of coverage.
- Tested resistance to ECOLAB® disinfectants and cleaning agents.

#### Application

- For universal use for wiring machine-internal and cross-plant control circuits.
- Especially for environments where electromagnetic compatibility (EMC) is required.
- For fixed installation and occasional flexing without tensile strain.
- Can be used in dry, damp and, especially, harsh and oily environments.
- The PUR outer jacket withstands high mechanical stress.
- The PUR outer jacket is resistant to mineral oil-based lubricants and highly resistant to chemicals.
- Suitable for outdoor use, subject to the temperature range.

#### Notes

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

### Remarks

### Technical Data

#### General information

|                  |   |
|------------------|---|
| Brand            | ÖLFLEX®   |
| Product type     | Power and control cable   |
| Copper index     | 2486 lb/10000 ft  |
| Industry segment | Assembly Machines<br>Lifts & Elevators<br>Process Industry<br>Ships & boats |

#### Electrical parameters

|                                  |   |
|----------------------------------|---|
| Nominal voltage                  | $U_0/U$ : 300/500 V AC rms according to IEC |
| Test voltage conductor/conductor | 4 kV  |
| Test voltage conductor/shielding | 4 kV  |
| Current rating according to      | VDE 0298-4                                  |

#### Product design

|  |                              |
|--|------------------------------|
| Cable dimension                                    | 5G6                          |
| Nominal cross section conductor (mm <sup>2</sup> ) | 6 mm <sup>2</sup>            |
| Conductor material                                 | Bare Copper                  |
| Conductor design                                   | IEC 60228 class 5: fine-wire |

|   |                            |
|---|----------------------------|
| Including protective ground                     | Yes                        |
| Number of cores                                 | 5                          |
| Stranding type                                  | Layered Stranding          |
| Shielded  | Yes                        |
| Type of overall shielding                       | Tin-plated copper braiding |
| Nominal outer diameter                          | 0.681 in                   |
| Cable form                                      | Round                      |
| Core insulation base material                   | Polyvinylchloride          |
| Conductor insulation basic material, short form | PVC                        |
| Basic material of inner jacket                  | Polyvinylchloride          |
| Basic material of inner jacket, short form      | PVC                        |
| colour inner sheath                             | gray                       |
| Basic material of outer jacket                  | Polyurethane               |
| Base material of outer sheath, shortname        | PUR                        |
| Outer jacket color                              | gray                       |
| Colour outer sheath RAL code                    | RAL 7001                   |
| Core identification                             | Numbers                    |
| Conductor color code                            | EN 50334<br>VDE 0293-1     |

### Product features

|  |  |
|--|--|
| Application area                                   | Flexible<br>Fixed Installation             |
| Minimum bending radius, stationary                 | 6 x outer diameter                         |
| Minimum bending radius in inch, fixed installation | 4.087 in                                   |
| Minimum bending radius, occasionally moved         | 20 x outer diameter                        |
| Minimum bending radius in mm, occasionally moved   | 13.622 in                                  |
| Temperature, fixed installation                    | -40 °C to 80 °C max. conductor temperature |
| Temperature, occasionally moved                    | -5 °C to 70 °C max. conductor temperature  |
| Storage temperature max.                           | -25 °C                                     |

|                              |  |
|------------------------------|--|
| Storage temperature maximum  | 55 °C  |
| Flame-retardant              | No   |
| UV-resistant                 | Yes  |
| UV-resistant according to    | EN ISO 4892-2, method A (color change permitted)<br>EN 50618<br>EN 50620 |
| weather resistant            | Yes  |
| Ozone-resistant              | Yes  |
| ozone resistant according to | EN 50396, method B   |
| Chemical resistant           | Yes  |
| Hydrolysis-resistant         | Yes  |
| Halogenfree                  | No   |
| Oil resistant                | Yes  |
| Oil resistance according to  | EN 50363-10-2  |
| PWIS-free                    | Yes  |
| PWIS-free according to       | VDMA 24364-B2-L  |

#### Certifications and standards

|   |                                |
|---|--------------------------------|
| CE marking  | Yes                            |
| EAC certified   | Yes                            |
| EAC certification number  | EAЭC N RU Д-DE.АЮ64.В.00130/20 |
| UL recognized   | No                             |
| UL listed   | No                             |
| cUR recognized  | No                             |
| cUL listed  | No                             |
| CSA certified   | No                             |
| VDE certified   | No                             |
| HAR-certified   | No                             |
| Resistance to flame propagation tested according to UN/ECE-R118 | No                             |
| Ecolab certified  | Yes                            |

**ÖLFLEX® CLASSIC 400 CP**

| Article No. | Name                           | Number of cores | Including protective ground | Nominal cross section conductor (mm <sup>2</sup> ) | Nominal outer diameter | Copper index       |
|-------------|--------------------------------|-----------------|-----------------------------|--|------------------------|--------------------|
| 1313103     | ÖLFLEX® CLASSIC 400 CP 3G0,75  | 3               | Yes                         | 0.75 mm <sup>2</sup>                               | 0.311 in               | 349.4 lb/10000 ft  |
| 1313104     | ÖLFLEX® CLASSIC 400 CP 4G0,75  | 4               | Yes                         | 0.75 mm <sup>2</sup>                               | 0.331 in               | 517.4 lb/10000 ft  |
| 1313105     | ÖLFLEX® CLASSIC 400 CP 5G0,75  | 5               | Yes                         | 0.75 mm <sup>2</sup>                               | 0.35 in                | 564.4 lb/10000 ft  |
| 1313107     | ÖLFLEX® CLASSIC 400 CP 7G0,75  | 7               | Yes                         | 0.75 mm <sup>2</sup>                               | 0.382 in               | 618.1 lb/10000 ft  |
| 1313112     | ÖLFLEX® CLASSIC 400 CP 12G0,75 | 12              | Yes                         | 0.75 mm <sup>2</sup>                               | 0.484 in               | 927.2 lb/10000 ft  |
| 1313118     | ÖLFLEX® CLASSIC 400 CP 18G0,75 | 18              | Yes                         | 0.75 mm <sup>2</sup>                               | 0.571 in               | 1471.5 lb/10000 ft |
| 1313125     | ÖLFLEX® CLASSIC 400 CP 25G0,75 | 25              | Yes                         | 0.75 mm <sup>2</sup>                               | 0.654 in               | 1861.2 lb/10000 ft |
| 1313141     | ÖLFLEX® CLASSIC 400 CP 41G0,75 | 41              | Yes                         | 0.75 mm <sup>2</sup>                               | 0.811 in               | 3359.5 lb/10000 ft |
| 1313203     | ÖLFLEX® CLASSIC 400 CP 3G1     | 3               | Yes                         | 1 mm <sup>2</sup>                                  | 0.323 in               | 517.4 lb/10000 ft  |
| 1313204     | ÖLFLEX® CLASSIC 400 CP 4G1     | 4               | Yes                         | 1 mm <sup>2</sup>                                  | 0.343 in               | 584.6 lb/10000 ft  |
| 1313205     | ÖLFLEX® CLASSIC 400 CP 5G1     | 5               | Yes                         | 1 mm <sup>2</sup>                                  | 0.374 in               | 604.7 lb/10000 ft  |
| 1313207     | ÖLFLEX® CLASSIC 400 CP 7G1     | 7               | Yes                         | 1 mm <sup>2</sup>                                  | 0.402 in               | 739.1 lb/10000 ft  |
| 1313212     | ÖLFLEX® CLASSIC 400 CP 12G1    | 12              | Yes                         | 1 mm <sup>2</sup>                                  | 0.524 in               | 1303.5 lb/10000 ft |
| 1313218     | ÖLFLEX® CLASSIC 400 CP 18G1    | 18              | Yes                         | 1 mm <sup>2</sup>                                  | 0.61 in                | 1794 lb/10000 ft   |
| 1313225     | ÖLFLEX® CLASSIC 400 CP 25G1    | 25              | Yes                         | 1 mm <sup>2</sup>                                  | 0.689 in               | 2546.5 lb/10000 ft |
| 1313241     | ÖLFLEX® CLASSIC 400 CP 41G1    | 41              | Yes                         | 1 mm <sup>2</sup>                                  | 0.866 in               | 4098.6 lb/10000 ft |
| 1313303     | ÖLFLEX® CLASSIC 400 CP 3G1,5   | 3               | Yes                         | 1.5 mm <sup>2</sup>                                | 0.35 in                | 571.1 lb/10000 ft  |
| 1313304     | ÖLFLEX® CLASSIC 400 CP 4G1,5   | 4               | Yes                         | 1.5 mm <sup>2</sup>                                | 0.378 in               | 671.9 lb/10000 ft  |
| 1313305     | ÖLFLEX® CLASSIC 400 CP 5G1,5   | 5               | Yes                         | 1.5 mm <sup>2</sup>                                | 0.406 in               | 806.3 lb/10000 ft  |
| 1313307     | ÖLFLEX® CLASSIC 400 CP 7G1,5   | 7               | Yes                         | 1.5 mm <sup>2</sup>                                | 0.445 in               | 1021.3 lb/10000 ft |
| 1313312     | ÖLFLEX® CLASSIC 400 CP 12G1,5  | 12              | Yes                         | 1.5 mm <sup>2</sup>                                | 0.583 in               | 1794 lb/10000 ft   |
| 1313318     | ÖLFLEX® CLASSIC 400 CP 18G1,5  | 18              | Yes                         | 1.5 mm <sup>2</sup>                                | 0.677 in               | 2687.6 lb/10000 ft |
| 1313325     | ÖLFLEX® CLASSIC 400 CP 25G1,5  | 25              | Yes                         | 1.5 mm <sup>2</sup>                                | 0.791 in               | 3843.3 lb/10000 ft |
| 1313403     | ÖLFLEX® CLASSIC 400 CP 3G2,5   | 3               | Yes                         | 2.5 mm <sup>2</sup>                                | 0.406 in               | 813 lb/10000 ft    |
| 1313404     | ÖLFLEX® CLASSIC 400 CP 4G2,5   | 4               | Yes                         | 2.5 mm <sup>2</sup>                                | 0.445 in               | 1095.2 lb/10000 ft |
| 1313405     | ÖLFLEX® CLASSIC 400 CP 5G2,5   | 5               | Yes                         | 2.5 mm <sup>2</sup>                                | 0.496 in               | 1337.1 lb/10000 ft |
| 1313407     | ÖLFLEX® CLASSIC 400 CP 7G2,5   | 7               | Yes                         | 2.5 mm <sup>2</sup>                                | 0.547 in               | 1753.7 lb/10000 ft |
| 1313412     | ÖLFLEX® CLASSIC 400 CP 12G2,5  | 12              | Yes                         | 2.5 mm <sup>2</sup>                                | 0.693 in               | 3157.9 lb/10000 ft |
| 1313504     | ÖLFLEX® CLASSIC 400 CP 4G4     | 4               | Yes                         | 4 mm <sup>2</sup>                                  | 0.528 in               | 1599.1 lb/10000 ft |
| 1313505     | ÖLFLEX® CLASSIC 400 CP 5G4     | 5               | Yes                         | 4 mm <sup>2</sup>                                  | 0.579 in               | 1874.6 lb/10000 ft |

| Article No. | Name                          | Number of cores | Including protective ground | Nominal cross section conductor (mm <sup>2</sup> ) | Nominal outer diameter | Copper index       |
|-------------|-------------------------------|-----------------|-----------------------------|--|------------------------|--------------------|
| 1313604     | ÖLFLEX® CLASSIC 400 CP 4G6    | 4               | Yes                         | 6 mm <sup>2</sup>                                  | 0.622 in               | 2136.6 lb/10000 ft |
| 1313605     | ÖLFLEX® CLASSIC 400 CP 5G6    | 5               | Yes                         | 6 mm <sup>2</sup>                                  | 0.681 in               | 2486 lb/10000 ft   |
| 1313614     | ÖLFLEX® CLASSIC 400 CP 4G10   | 4               | Yes                         | 10 mm <sup>2</sup>                                 | 0.748 in               | 3749.2 lb/10000 ft |
| 1313624     | ÖLFLEX® CLASSIC 400 CP 4G16   | 4               | Yes                         | 16 mm <sup>2</sup>                                 | 0.874 in               | 5402.1 lb/10000 ft |
| 1313852     | ÖLFLEX® CLASSIC 400 CP 2X0,75 | 2               | No                          | 0.75 mm <sup>2</sup>                               | 0.291 in               | 302.4 lb/10000 ft  |
| 1313853     | ÖLFLEX® CLASSIC 400 CP 3X0,75 | 3               | No                          | 0.75 mm <sup>2</sup>                               | 0.311 in               | 349.4 lb/10000 ft  |
| 1313854     | ÖLFLEX® CLASSIC 400 CP 4X0,75 | 4               | No                          | 0.75 mm <sup>2</sup>                               | 0.331 in               | 517.4 lb/10000 ft  |
| 1313855     | ÖLFLEX® CLASSIC 400 CP 5X0,75 | 5               | No                          | 0.75 mm <sup>2</sup>                               | 0.35 in                | 564.4 lb/10000 ft  |
| 1313857     | ÖLFLEX® CLASSIC 400 CP 7X0,75 | 7               | No                          | 0.75 mm <sup>2</sup>                               | 0.382 in               | 618.1 lb/10000 ft  |
| 1313902     | ÖLFLEX® CLASSIC 400 CP 2X1    | 2               | No                          | 1 mm <sup>2</sup>                                  | 0.311 in               | 336 lb/10000 ft    |
| 1313903     | ÖLFLEX® CLASSIC 400 CP 3X1    | 3               | No                          | 1 mm <sup>2</sup>                                  | 0.323 in               | 517.4 lb/10000 ft  |
| 1313904     | ÖLFLEX® CLASSIC 400 CP 4X1    | 4               | No                          | 1 mm <sup>2</sup>                                  | 0.343 in               | 584.6 lb/10000 ft  |
| 1313952     | ÖLFLEX® CLASSIC 400 CP 2X1,5  | 2               | No                          | 1.5 mm <sup>2</sup>                                | 0.335 in               | 517.4 lb/10000 ft  |

V1.1