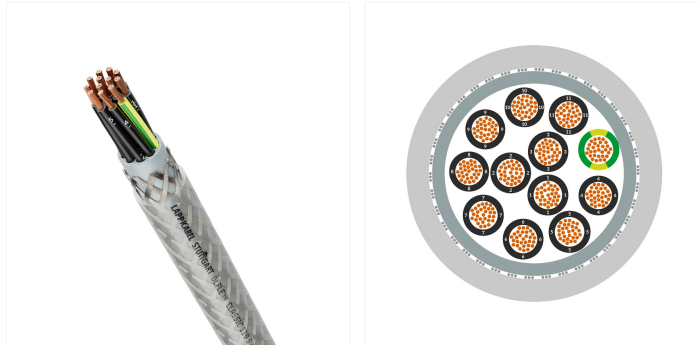


ÖLFLEX® CLASSIC 110 SY 3G0,75**Article No.:** 1125103

Power and control cable; 3G0.75; U_0/U : 300/500 V; PVC; Core identification: Numbers;
Flexible; VDE registration number: 7030

**Details****Benefits**

- Numerous dimensions available for wide range of applications.
- Steel wire braiding provides enhanced protection in applications with increased mechanical stress.
- Additional robustness thanks to the extruded inner jacket.
- High electrical safety thanks to 4000 V test voltage.
- Classified fire behavior according to EU Directive 305/2011 (BauPVO/CPR) with article number selection on the LAPP website.

Application

- For universal use for wiring machine-internal and cross-plant control circuits.
- For fixed installation and occasional flexing without tensile strain.
- Can be used in dry, damp or wet interiors.
- Suitable for medium mechanical stress.
- The PVC outer jacket is resistant to acids and alkaline solutions.

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 | 145.13 lb/10000 ft |
| Industry segment | Robotics |

Electrical parameters

| | |
|-----------------|---|
| Nominal voltage | U_0/U : 300/500 V AC rms according to IEC |
| test voltage | 4 kV |

Product design

| | |
|--|--------------------------------|
| Cable dimension | 3G0.75 |
| Nominal cross section conductor (mm ²) | 0.75 mm ² |
| Conductor material | Bare Copper |
| Conductor design | IEC 60228 class 5: fine-wire |
| Including protective ground | Yes |
| Number of cores | 3 |
| Stranding type | Layered Stranding |
| Shielded | No |
| With armoring | Yes |
| Armoring type | Galvanized steel wire braiding |
| Nominal outer diameter | 0.335 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 | Polyvinylchloride |
| Base material of outer sheath, shortname | PVC |
| Outer jacket color | transparent |
| Core identification | Numbers |
| Conductor color code | VDE 0293-1 EN 50334 |

Product features

| | |
|--|--|
| Application area | Flexible Fixed Installation |
| For permanent bending | No |
| For torsional load | No |
| Minimum bending radius, stationary | 6 x outer diameter |
| Minimum bending radius in inch, fixed installation | 2.008 in |
| Minimum bending radius, occasionally moved | 20 x outer diameter |
| Minimum bending radius in mm, occasionally moved | 6.693 in |
| Temperature, fixed installation | -40 °C to 80 °C max. conductor temperature |
| Temperature, occasionally moved | -5 °C to 70 °C max. conductor temperature |
| Flame-retardant | Yes |
| Flame retardance according to | IEC 60332-1-2 |
| UV-resistant | No |
| Chemical resistant | Yes |
| Halogenfree | No |
| Oil resistant | No |

| | |
|------------------------|-----------------|
| 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 |
| VDE certified | Yes |
| VDE registration number | 7030 |
| DNV-certified | No |
| CPR fire class | Eca |
| Resistance to flame propagation tested according to UN/ECE-R118 | No |
| Ecolab certified | No |

ÖLFLEX® CLASSIC 110 SY

| Article No. | Name | Number of cores | Including protective ground | Nominal cross section conductor (mm ²) | Nominal outer diameter | Copper index |
|-------------|--------------------------------|-----------------|-----------------------------|--|------------------------|---------------------|
| 1125003 | ÖLFLEX® CLASSIC 110 SY 3G0,5 | 3 | Yes | 0.5 mm ² | 0.319 in | 100.8 lb/10000 ft |
| 1125004 | ÖLFLEX® CLASSIC 110 SY 4G0,5 | 4 | Yes | 0.5 mm ² | 0.335 in | 129 lb/10000 ft |
| 1125005 | ÖLFLEX® CLASSIC 110 SY 5G0,5 | 5 | Yes | 0.5 mm ² | 0.362 in | 161.3 lb/10000 ft |
| 1125007 | ÖLFLEX® CLASSIC 110 SY 7G0,5 | 7 | Yes | 0.5 mm ² | 0.382 in | 225.8 lb/10000 ft |
| 1125010 | ÖLFLEX® CLASSIC 110 SY 10G0,5 | 10 | Yes | 0.5 mm ² | 0.457 in | 322.5 lb/10000 ft |
| 1125012 | ÖLFLEX® CLASSIC 110 SY 12G0,5 | 12 | Yes | 0.5 mm ² | 0.469 in | 389.7 lb/10000 ft |
| 1125014 | ÖLFLEX® CLASSIC 110 SY 14G0,5 | 14 | Yes | 0.5 mm ² | 0.492 in | 450.22 lb/10000 ft |
| 1125018 | ÖLFLEX® CLASSIC 110 SY 18G0,5 | 18 | Yes | 0.5 mm ² | 0.547 in | 580.5 lb/10000 ft |
| 1125021 | ÖLFLEX® CLASSIC 110 SY 21G0,5 | 21 | Yes | 0.5 mm ² | 0.587 in | 678.69 lb/10000 ft |
| 1125025 | ÖLFLEX® CLASSIC 110 SY 25G0,5 | 25 | Yes | 0.5 mm ² | 0.614 in | 806.3 lb/10000 ft |
| 1125030 | ÖLFLEX® CLASSIC 110 SY 30G0,5 | 30 | Yes | 0.5 mm ² | 0.65 in | 967.63 lb/10000 ft |
| 1125040 | ÖLFLEX® CLASSIC 110 SY 40G0,5 | 40 | Yes | 0.5 mm ² | 0.74 in | 1290 lb/10000 ft |
| 1125061 | ÖLFLEX® CLASSIC 110 SY 61G0,5 | 61 | Yes | 0.5 mm ² | 0.862 in | 1968.87 lb/10000 ft |
| 1125103 | ÖLFLEX® CLASSIC 110 SY 3G0,75 | 3 | Yes | 0.75 mm ² | 0.335 in | 145.13 lb/10000 ft |
| 1125104 | ÖLFLEX® CLASSIC 110 SY 4G0,75 | 4 | Yes | 0.75 mm ² | 0.362 in | 193.5 lb/10000 ft |
| 1125105 | ÖLFLEX® CLASSIC 110 SY 5G0,75 | 5 | Yes | 0.75 mm ² | 0.382 in | 241.9 lb/10000 ft |
| 1125107 | ÖLFLEX® CLASSIC 110 SY 7G0,75 | 7 | Yes | 0.75 mm ² | 0.406 in | 335.95 lb/10000 ft |
| 1125109 | ÖLFLEX® CLASSIC 110 SY 9G0,75 | 9 | Yes | 0.75 mm ² | 0.488 in | 436.78 lb/10000 ft |
| 1125112 | ÖLFLEX® CLASSIC 110 SY 12G0,75 | 12 | Yes | 0.75 mm ² | 0.508 in | 577.89 lb/10000 ft |
| 1125115 | ÖLFLEX® CLASSIC 110 SY 15G0,75 | 15 | Yes | 0.75 mm ² | 0.555 in | 725.73 lb/10000 ft |
| 1125118 | ÖLFLEX® CLASSIC 110 SY 18G0,75 | 18 | Yes | 0.75 mm ² | 0.587 in | 873.5 lb/10000 ft |
| 1125125 | ÖLFLEX® CLASSIC 110 SY 25G0,75 | 25 | Yes | 0.75 mm ² | 0.669 in | 1209.54 lb/10000 ft |
| 1125203 | ÖLFLEX® CLASSIC 110 SY 3G1 | 3 | Yes | 1 mm ² | 0.346 in | 193.5 lb/10000 ft |
| 1125204 | ÖLFLEX® CLASSIC 110 SY 4G1 | 4 | Yes | 1 mm ² | 0.374 in | 258 lb/10000 ft |
| 1125205 | ÖLFLEX® CLASSIC 110 SY 5G1 | 5 | Yes | 1 mm ² | 0.398 in | 322.5 lb/10000 ft |
| 1125207 | ÖLFLEX® CLASSIC 110 SY 7G1 | 7 | Yes | 1 mm ² | 0.433 in | 450.17 lb/10000 ft |
| 1125208 | ÖLFLEX® CLASSIC 110 SY 8G1 | 8 | Yes | 1 mm ² | 0.492 in | 517.42 lb/10000 ft |
| 1125209 | ÖLFLEX® CLASSIC 110 SY 9G1 | 9 | Yes | 1 mm ² | 0.52 in | 577.8 lb/10000 ft |
| 1125212 | ÖLFLEX® CLASSIC 110 SY 12G1 | 12 | Yes | 1 mm ² | 0.547 in | 772.7 lb/10000 ft |
| 1125214 | ÖLFLEX® CLASSIC 110 SY 14G1 | 14 | Yes | 1 mm ² | 0.567 in | 900.44 lb/10000 ft |

| Article No. | Name | Number of cores | Including protective ground | Nominal cross section conductor (mm ²) | Nominal outer diameter | Copper index |
|-------------|-------------------------------|-----------------|-----------------------------|--|------------------------|---------------------|
| 1125218 | ÖLFLEX® CLASSIC 110 SY 18G1 | 18 | Yes | 1 mm ² | 0.626 in | 1162.4 lb/10000 ft |
| 1125220 | ÖLFLEX® CLASSIC 110 SY 20G1 | 20 | Yes | 1 mm ² | 0.661 in | 1290.18 lb/10000 ft |
| 1125225 | ÖLFLEX® CLASSIC 110 SY 25G1 | 25 | Yes | 1 mm ² | 0.713 in | 1612.6 lb/10000 ft |
| 1125234 | ÖLFLEX® CLASSIC 110 SY 34G1 | 34 | Yes | 1 mm ² | 0.807 in | 2190.62 lb/10000 ft |
| 1125241 | ÖLFLEX® CLASSIC 110 SY 41G1 | 41 | Yes | 1 mm ² | 0.874 in | 2647.56 lb/10000 ft |
| 1125250 | ÖLFLEX® CLASSIC 110 SY 50G1 | 50 | Yes | 1 mm ² | 0.953 in | 3225.45 lb/10000 ft |
| 1125303 | ÖLFLEX® CLASSIC 110 SY 3G1,5 | 3 | Yes | 1.5 mm ² | 0.382 in | 288.9 lb/10000 ft |
| 1125304 | ÖLFLEX® CLASSIC 110 SY 4G1,5 | 4 | Yes | 1.5 mm ² | 0.402 in | 389.7 lb/10000 ft |
| 1125305 | ÖLFLEX® CLASSIC 110 SY 5G1,5 | 5 | Yes | 1.5 mm ² | 0.437 in | 483.76 lb/10000 ft |
| 1125307 | ÖLFLEX® CLASSIC 110 SY 7G1,5 | 7 | Yes | 1.5 mm ² | 0.469 in | 678.6 lb/10000 ft |
| 1125308 | ÖLFLEX® CLASSIC 110 SY 8G1,5 | 8 | Yes | 1.5 mm ² | 0.551 in | 772.7 lb/10000 ft |
| 1125312 | ÖLFLEX® CLASSIC 110 SY 12G1,5 | 12 | Yes | 1.5 mm ² | 0.606 in | 1162.4 lb/10000 ft |
| 1125314 | ÖLFLEX® CLASSIC 110 SY 14G1,5 | 14 | Yes | 1.5 mm ² | 0.626 in | 1357.2 lb/10000 ft |
| 1125318 | ÖLFLEX® CLASSIC 110 SY 18G1,5 | 18 | Yes | 1.5 mm ² | 0.693 in | 1740.2 lb/10000 ft |
| 1125325 | ÖLFLEX® CLASSIC 110 SY 25G1,5 | 25 | Yes | 1.5 mm ² | 0.799 in | 2418.8 lb/10000 ft |
| 1125332 | ÖLFLEX® CLASSIC 110 SY 32G1,5 | 32 | Yes | 1.5 mm ² | 0.87 in | 3097.5 lb/10000 ft |
| 1125350 | ÖLFLEX® CLASSIC 110 SY 50G1,5 | 50 | Yes | 1.5 mm ² | 1.067 in | 4838.18 lb/10000 ft |
| 1125403 | ÖLFLEX® CLASSIC 110 SY 3G2,5 | 3 | Yes | 2.5 mm ² | 0.437 in | 483.76 lb/10000 ft |
| 1125404 | ÖLFLEX® CLASSIC 110 SY 4G2,5 | 4 | Yes | 2.5 mm ² | 0.476 in | 645 lb/10000 ft |
| 1125405 | ÖLFLEX® CLASSIC 110 SY 5G2,5 | 5 | Yes | 2.5 mm ² | 0.52 in | 806.3 lb/10000 ft |
| 1125407 | ÖLFLEX® CLASSIC 110 SY 7G2,5 | 7 | Yes | 2.5 mm ² | 0.563 in | 1128.8 lb/10000 ft |
| 1125412 | ÖLFLEX® CLASSIC 110 SY 12G2,5 | 12 | Yes | 2.5 mm ² | 0.717 in | 1935.1 lb/10000 ft |
| 1125418 | ÖLFLEX® CLASSIC 110 SY 18G2,5 | 18 | Yes | 2.5 mm ² | 0.843 in | 2902.6 lb/10000 ft |
| 1125425 | ÖLFLEX® CLASSIC 110 SY 25G2,5 | 25 | Yes | 2.5 mm ² | 0.961 in | 4031.4 lb/10000 ft |
| 1125503 | ÖLFLEX® CLASSIC 110 SY 3G4 | 3 | Yes | 4 mm ² | 0.5 in | 772.7 lb/10000 ft |
| 1125504 | ÖLFLEX® CLASSIC 110 SY 4G4 | 4 | Yes | 4 mm ² | 0.551 in | 1034.7 lb/10000 ft |
| 1125505 | ÖLFLEX® CLASSIC 110 SY 5G4 | 5 | Yes | 4 mm ² | 0.594 in | 1290 lb/10000 ft |
| 1125507 | ÖLFLEX® CLASSIC 110 SY 7G4 | 7 | Yes | 4 mm ² | 0.646 in | 1807.4 lb/10000 ft |
| 1125604 | ÖLFLEX® CLASSIC 110 SY 4G6 | 4 | Yes | 6 mm ² | 0.638 in | 1545.37 lb/10000 ft |
| 1125605 | ÖLFLEX® CLASSIC 110 SY 5G6 | 5 | Yes | 6 mm ² | 0.697 in | 1935.1 lb/10000 ft |

| Article No. | Name | Number of cores | Including protective ground | Nominal cross section conductor (mm ²) | Nominal outer diameter | Copper index |
|-------------|-------------------------------|-----------------|-----------------------------|--|------------------------|--------------------|
| 1125614 | ÖLFLEX® CLASSIC 110 SY 4G10 | 4 | Yes | 10 mm ² | 0.764 in | 2580.1 lb/10000 ft |
| 1125615 | ÖLFLEX® CLASSIC 110 SY 5G10 | 5 | Yes | 10 mm ² | 0.846 in | 3225.1 lb/10000 ft |
| 1125624 | ÖLFLEX® CLASSIC 110 SY 4G16 | 4 | Yes | 16 mm ² | 0.882 in | 4125.5 lb/10000 ft |
| 1125625 | ÖLFLEX® CLASSIC 110 SY 5G16 | 5 | Yes | 16 mm ² | 0.969 in | 5160.2 lb/10000 ft |
| 1125752 | ÖLFLEX® CLASSIC 110 SY 2X0,5 | 2 | No | 0.5 mm ² | 0.307 in | 67.2 lb/10000 ft |
| 1125802 | ÖLFLEX® CLASSIC 110 SY 2X0,75 | 2 | No | 0.75 mm ² | 0.323 in | 96.76 lb/10000 ft |
| 1125852 | ÖLFLEX® CLASSIC 110 SY 2X1 | 2 | No | 1 mm ² | 0.335 in | 129 lb/10000 ft |
| 1125902 | ÖLFLEX® CLASSIC 110 SY 2X1,5 | 2 | No | 1.5 mm ² | 0.366 in | 194.87 lb/10000 ft |

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