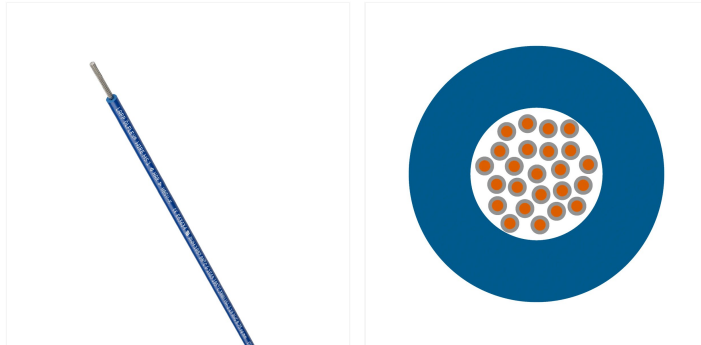


ÖLFLEX® WIRE MS 1 1X0,5 DBU

Article No.: 4180414

Single conductor; 1X0.5; dark blue; Ring; U_0/U : 300/500 V; PVC; HAR-certified; UL recognized; Fixed Installation



Details

Benefits

- Made in accordance with harmonized European design H05V-K, with <HAR>testing mark for proven reliability and quality.
- UL certification according to technical data enables the product to be used on the North American market.
- Product with multiple certifications enables universal use and reduces the variety of parts, thus guaranteeing logistics savings.
- Compact design for easy processing.
- Versatile use in various applications and environments.
- Classified fire behavior according to EU Directive 305/2011 (BauPVO/CPR) with article number selection on the LAPP website.
- Different conductor insulation colors available.
- Available as a ring or in a large, disposable cardboard box. Large cardboard boxes are available depending on the color and cross-section and generally only up to 6 mm² (0.01 in²) conductor cross-section.

Application

- For wiring circuits inside machines.
- Suitable for wiring inside control cabinets.
- For fixed and protected installation.

- Can be used in dry and damp rooms.
- Use at temperatures up to 40°C possible.

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

Formerly MULTI-STANDARD SC 1

Technical Data

General information

| | |
|----------------------------|-------------------|
| Brand | ÖLFLEX® |
| Product type | Single conductor |
| Copper index | 32.25 lb/10000 ft |
| Single core packaging type | Ring |
| Length per PU | 328.084 ft |
| Industry segment | Ships & boats |

Electrical parameters

| | |
|-----------------|---|
| Nominal voltage | U_0/U : 300/500 V AC rms according to IEC |
| Rated voltage | 300 V AC rms according to UL AWM 300 V AC rms according to CSA AWM |
| test voltage | 2 kV |

Product design

| | |
|--|------------------------------|
| Harmonized product type | H05V-K |
| Cable dimension | 1X0.5 |
| Nominal cross section conductor (mm ²) | 0.5 mm ² |
| Nominal cross section conductor (AWG) | 21 AWG |
| Leading conductor cross-section | mm ² |
| Conductor material | Tin-plated Copper |
| Conductor design | IEC 60228 class 5: fine-wire |
| Number of cores | 1 |
| Nominal outer diameter | 0.087 in |
| Cable form | Round |
| Core insulation base material | Polyvinylchloride |
| Conductor insulation basic material, short form | PVC |
| Single core color | dark blue |
| Single conductor identification | Single-colored |

Product features

| | |
|--|--|
| Application area | Fixed Installation |
| Minimum bending radius, stationary | 4 x outer diameter |
| Minimum bending radius in inch, fixed installation | 0.346 in |
| Minimum bending radius with careful bending | 2 x outer diameter |
| Temperature, fixed installation | to 105 °C max. conductor temperature according to UL AWM -40 °C to 70 °C max. conductor temperature according to IEC to 105 °C max. conductor temperature according to CSA AWM |
| Flame-retardant | Yes |
| Flame retardance according to | IEC 60332-1-2 UL VW-1 CSA FT1 |
| UV-resistant | No |
| weather resistant | No |

| | |
|------------------------|-----------------|
| Ozone-resistant | No |
| Halogenfree | No |
| Oil resistant | Yes |
| 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, EAЭC N RU Д-DE.АЮ64.В.00142/20 |
| UL recognized | Yes |
| UL AWM certification | 1007 according to UL 758 (e-file number: E63634) 1569 according to UL 758 (e-file number: E63634) |
| UL listed | No |
| cUR recognized | No |
| cUL listed | No |
| CSA certified | Yes |
| CSA certification | AWM I B according to CSA C22.2 No. 210 AWM I A according to CSA C22.2 No. 210 |
| VDE certified | No |
| HAR-certified | Yes |
| Product standard DIN / EN | EN 50525-2-31 |
| CPR fire class | Eca |
| Resistance to flame propagation tested according to UN/ECE-R118 | No |

ÖLFLEX® WIRE MS 1

| Article No. | Name | Nominal cross section conductor (mm ²) | Single core color | Single core packaging type | Length per PU | Nominal outer diameter | Copper index |
|-------------|------------------------------------|--|-------------------|----------------------------|---------------|------------------------|-------------------|
| 4180400 | ÖLFLEX® WIRE MS 1 1X0,5 GNYE | 0.5 mm ² | green/yellow | Ring | 328.084 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180401 | ÖLFLEX® WIRE MS 1 1X0,5 BK | 0.5 mm ² | black | Ring | 328.084 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180402 | ÖLFLEX® WIRE MS 1 1X0,5 BU | 0.5 mm ² | blue | Ring | 328.084 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180403 | ÖLFLEX® WIRE MS 1 1X0,5 BN | 0.5 mm ² | brown | Ring | 328.084 ft | 0.087 in | 32.3 lb/10000 ft |
| 4180404 | ÖLFLEX® WIRE MS 1 1X0,5 RD | 0.5 mm ² | red | Ring | 328.084 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180405 | ÖLFLEX® WIRE MS 1 1X0,5 WH | 0.5 mm ² | white | Ring | 328.084 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180406 | ÖLFLEX® WIRE MS 1 1X0,5 GY | 0.5 mm ² | gray | Ring | 328.084 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180407 | ÖLFLEX® WIRE MS 1 1X0,5 VT | 0.5 mm ² | violet | Ring | 328.084 ft | 0.087 in | 32.3 lb/10000 ft |
| 4180409 | ÖLFLEX® WIRE MS 1 1X0,5 OG | 0.5 mm ² | orange | Ring | 328.084 ft | 0.087 in | 32.3 lb/10000 ft |
| 4180410 | ÖLFLEX® WIRE MS 1 1X0,5 YE | 0.5 mm ² | yellow | Ring | 328.084 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180414 | ÖLFLEX® WIRE MS 1 1X0,5 DBU | 0.5 mm ² | dark blue | Ring | 328.084 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180414K | ÖLFLEX® WIRE MS 1 EMBOSS 1X0,5 DBU | 0.5 mm ² | dark blue | Large Cardboard Box | 9,842.52 ft | 0.087 in | 32.25 lb/10000 ft |
| 4180500 | ÖLFLEX® WIRE MS 1 1X0,75 GNYE | 0.75 mm ² | green/yellow | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180501 | ÖLFLEX® WIRE MS 1 1X0,75 BK | 0.75 mm ² | black | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180501K | ÖLFLEX® WIRE MS 1 EMBOSS 1X0,75 BK | 0.75 mm ² | black | Large Cardboard Box | 8,202.1 ft | 0.094 in | 48.38 lb/10000 ft |
| 4180502 | ÖLFLEX® WIRE MS 1 1X0,75 BU | 0.75 mm ² | blue | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180503 | ÖLFLEX® WIRE MS 1 1X0,75 BN | 0.75 mm ² | brown | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180504 | ÖLFLEX® WIRE MS 1 1X0,75 RD | 0.75 mm ² | red | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180505 | ÖLFLEX® WIRE MS 1 1X0,75 WH | 0.75 mm ² | white | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180506 | ÖLFLEX® WIRE MS 1 1X0,75 GY | 0.75 mm ² | gray | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180507 | ÖLFLEX® WIRE MS 1 1X0,75 VT | 0.75 mm ² | violet | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180514 | ÖLFLEX® WIRE MS 1 1X0,75 DBU | 0.75 mm ² | dark blue | Ring | 328.084 ft | 0.094 in | 48.4 lb/10000 ft |
| 4180600 | ÖLFLEX® WIRE MS 1 1X1 GNYE | 1 mm ² | green/yellow | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180601 | ÖLFLEX® WIRE MS 1 1X1 BK | 1 mm ² | black | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180602 | ÖLFLEX® WIRE MS 1 1X1 BU | 1 mm ² | blue | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180603 | ÖLFLEX® WIRE MS 1 1X1 BN | 1 mm ² | brown | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180604 | ÖLFLEX® WIRE MS 1 1X1 RD | 1 mm ² | red | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180605 | ÖLFLEX® WIRE MS 1 1X1 WH | 1 mm ² | white | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180606 | ÖLFLEX® WIRE MS 1 1X1 GY | 1 mm ² | gray | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180607 | ÖLFLEX® WIRE MS 1 1X1 VT | 1 mm ² | violet | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |

| Article No. | Name | Nominal cross section conductor (mm ²) | Single core color | Single core packaging type | Length per PU | Nominal outer diameter | Copper index |
|-------------|---------------------------|--|-------------------|----------------------------|---------------|------------------------|--------------------|
| 4180609 | ÖLFLEX® WIRE MS 1 1X1 OG | 1 mm ² | orange | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180610 | ÖLFLEX® WIRE MS 1 1X1 YE | 1 mm ² | yellow | Ring | 328.084 ft | 0.098 in | 161.25 lb/10000 ft |
| 4180611 | ÖLFLEX® WIRE MS 1 1X1 GN | 1 mm ² | green | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |
| 4180614 | ÖLFLEX® WIRE MS 1 1X1 DBU | 1 mm ² | dark blue | Ring | 328.084 ft | 0.098 in | 64.5 lb/10000 ft |

V1.1