

ÖLFLEX® HEAT 180 SiF/GL

ÖLFLEX® HEAT 180 SiF/GL - silicone single core with glass fibre braiding for use in machines, plant construction and toolbuilding for temperatures up to +180°C

Info

With glass fibre protection braiding



Temperature-resistant



Halogen-free



Cold-resistant

Benefits

Possesses insulating properties after combustion due to remaining SiO₂ ash on the conductor

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Application range

Areas with high ambient temperatures where conventional core insulation materials will embrittle after a short while

Typical fields of application

- Control cabinet manufacturing
- Appliances and apparatus engineering
- Electric motor industry
- Sauna/solarium construction
- Thermal and heating elements
- Lighting technology
- Ventilator engineering
- Air-conditioning technology
- Furnace construction
- Polymer processing
- Generator and transformer manufacturing

ÖLFLEX®

HEAT 180 SiZ is suitable as electrical sensor cable in pipe systems for modern solar hot water systems

Product features

Halogen-free according to IEC 60754-1

(amount of halogen acid gas)

Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

Flame-retardant according IEC 60332-1-2

Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances

Adequate ventilation must be ensured, since the mechanical properties of silicone cables decrease from +100°C in the absence of air

Product Make-up

Fine-wire, tinned-copper conductor

Silicone-based insulation

Impregnated glass fibre braiding

white, with natural glass fibre braiding

Technical Data

| | |
|-------------------------|---|
| Classification: | ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable |
| Conductor stranding: | Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm ² |
| Minimum bending radius: | Fixed installation: 6 x core diameter One bend at end of core: 3 x cable diameter |
| Nominal voltage: | Version SiF/GL / SiZ: U ₀ /U 300/500 V Version FZLSi: 10 kV |
| Test voltage: | Version SiF/GL / SiZ: 2000 V Version FZLSi: 20 kV |
| Temperature range: | -50 °C to +180 °C (adequate ventilation required) Short-term: +200 °C |

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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

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).

Photographs 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.

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| Article number | Conductor cross-section (mm ²) | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|--|--|---------------------|----------------------|----------------|
| ÖLFLEX® HEAT 180 SiF/GL hook-up wire with glass fibre braiding | | | | |
| 0065102 | 0.5 | 2.5 | 4.8 | 11 |
| 0065103 | 0.75 | 2.8 | 7.2 | 14 |
| 0065104 | 1 | 2.9 | 9.6 | 17 |
| 0065105 | 1.5 | 3.2 | 14.4 | 23 |
| 0065106 | 2.5 | 3.8 | 24 | 36 |
| 0065107 | 4 | 4.6 | 38 | 54 |
| 0065108 | 6 | 5.4 | 58 | 80 |
| 0065109 | 10 | 7.6 | 96 | 133 |
| 0065110 | 16 | 8.4 | 154 | 198 |
| 0065111 | 25 | 10.2 | 240 | 301 |
| 0065112 | 35 | 11.3 | 336 | 401 |
| 0065113 | 50 | 13.4 | 480 | 567 |

Last Update (17.01.2017)

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Product Management www.lappkabel.deYou can find the current technical data in the corresponding data sheet.
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