

## ÖLFLEX® HEAT 180 SiD

Silicone single core cable with solid conductor

ÖLFLEX® HEAT 180 SiD - solid wire silicone single core for use in machines, plant construction and toolbuilding for temperatures up to +180°C

### Info

Solid single copper conductor



Halogen-free



Cold-resistant



Temperature-resistant

### Benefits

Possesses insulating properties after combustion due to remaining SiO<sub>2</sub> ash on the conductor

### 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

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

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

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## ÖLFLEX® HEAT 180 SiD

- Generator and transformer manufacturing

### 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

Tinned solid copper wire

Silicone-based insulation

### Technical Data

|                         |   |
|-------------------------|---|
| Classification ETIM 5:  | ETIM 5.0 Class-ID: EC000993<br>ETIM 5.0 Class-Description: Single core cable            |
| Classification ETIM 6:  | ETIM 6.0 Class-ID: EC000993<br>ETIM 6.0 Class-Description: Single core cable            |
| Conductor stranding:    | Solid single copper conductor   |
| Minimum bending radius: | Fixed installation: 6 x core diameter<br>One bend at end of core:<br>3 x cable diameter |
| Nominal voltage:        | U0/U: 300/500 V   |
| Test voltage:           | 2000 V  |
| Temperature range:      | -50 °C to +180 °C<br>(adequate ventilation required)<br>Short-term: +200 °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).

Also available on large spools and non-returnable drums.

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.

Other colours are available upon request

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| Article number       | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | Core colour  | Copper index (kg/km) | Weight (kg/km) |
|----------------------|--|---------------------|--------------|----------------------|----------------|
| ÖLFLEX® HEAT 180 SiD |  |                     |              |                      |                |
| 0068001              | 0.5  | 2                   | black        | 4.8                  | 9              |
| 0068105              | 0.5  | 2                   | white        | 4.8                  | 9              |
| 0069000              | 0.75                                       | 2.2                 | green/yellow | 7.2                  | 12             |
| 0069001              | 0.75                                       | 2.2                 | black        | 7.2                  | 12             |
| 0069002              | 0.75                                       | 2.2                 | blue         | 7.2                  | 12             |
| 0069003              | 0.75                                       | 2.2                 | brown        | 7.2                  | 12             |
| 0069105              | 0.75                                       | 2.2                 | white        | 7.2                  | 12             |
| 0070000              | 1.0  | 2.3                 | green/yellow | 9.6                  | 15             |
| 0070001              | 1.0  | 2.3                 | black        | 9.6                  | 15             |
| 0070002              | 1.0  | 2.3                 | blue         | 9.6                  | 15             |
| 0070003              | 1.0  | 2.3                 | brown        | 9.6                  | 15             |
| 0070104              | 1.0  | 2.3                 | red          | 9.6                  | 15             |
| 0070105              | 1.0  | 2.3                 | white        | 9.6                  | 15             |
| 0071000              | 1.5  | 2.6                 | green/yellow | 14.4                 | 20             |
| 0071001              | 1.5  | 2.6                 | black        | 14.4                 | 20             |
| 0071002              | 1.5  | 2.6                 | blue         | 14.4                 | 20             |
| 0071003              | 1.5  | 2.6                 | brown        | 14.4                 | 20             |
| 0071105              | 1.5  | 2.6                 | white        | 14.4                 | 20             |
| 0072001              | 2.5  | 3.2                 | black        | 24                   | 32             |
| 0072002              | 2.5  | 3.2                 | blue         | 24                   | 32             |
| 0073001              | 4.0  | 3.9                 | black        | 38                   | 50             |
| 0074001              | 6.0  | 4.6                 | black        | 58                   | 64.5           |
| 0074002              | 6.0  | 4.6                 | blue         | 58                   | 64.5           |

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