

## ÖLFLEX® HEAT 180 SiZ

ÖLFLEX® HEAT 180 SiZ - silicone single core for use in machine and plant construction and toolbuilding for temperatures up to +180°C, twin-core design

### Info

Separable twin 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
- Generator and transformer manufacturing

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

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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.

PN 0456 / 02\_03.16

# ÖLFLEX® HEAT 180 SiZ

## 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

Colour of core insulation: red

Cores connected in parallel with a separating strip

One of the two cores is marked for identification

## Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000993 ETIM 6.0 Class-Description: Single core cable
Conductor stranding:	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm <sup>2</sup>
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: U0/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

## 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).

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.

**ÖLFLEX® HEAT 180 SiZ**

Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 180 SiZ twin conductor				
0065201	2 x 0.5	2.1 x 4.2	9.6	17
0065202	2 x 0.75	2.3 x 4.6	14.4	24

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