

## 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 SiO<sub>2</sub> ash on the conductor

## ÖLFLEX® HEAT 180 SiF/GL

### 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 <sup>2</sup>
Minimum bending radius:	Fixed installation: 6 x core diameter One bend at end of core: 3 x cable diameter
Nominal voltage:	<b>Version SiF/GL / SiZ:</b> U <sub>0</sub> /U 300/500 V <b>Version FZLSi:</b> 10 kV
Test voltage:	<b>Version SiF/GL / SiZ:</b> 2000 V <b>Version FZLSi:</b> 20 kV
Temperature range:	-50 °C to +180 °C (adequate ventilation required) Short-term: +200 °C

Last Update (17.01.2017)

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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 SiF/GL

### 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  $\leq$  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.

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

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