

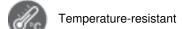
ÖLFLEX® HEAT 180 SiF/GL

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









Benefits

Possesses insulating properties after combustion due to remaining SiO₂ 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

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Tec	hn	ical	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 mm²

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

Last Update (17.01.2017)

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Product Management www.lappkabel.de

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

PN 0456 / 02 03.16



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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 ≤ 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 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 (mm²)	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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