

ÖLFLEX® HEAT 180 SiZ

ÖLFLEX® HEAT 180 SiZ - silicone single core cable, designed as a twin conductor for use in machine construction with increased temperature requirements up to +180°C

Info

Separable twin conductor



Temperature-resistant



Halogen-free



Cold-resistant

Benefits

The remaining SiO₂ ash has insulating properties after combustion

ÖLFLEX® HEAT 180 SiZ

Application range

Areas with high ambient temperatures where conventional core insulation materials will become brittle after a short period

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
- Plastic processing
- Generator and transformer manufacturing

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HEAT 180 SiZ is used as a temperature sensor pair for solar ducts for solar thermal systems

Product features

Halogen-free according to IEC 60754-1

(amount of halogen acidic gas)

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

Flame-retardant according to 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 prematurely decrease from +100 °C in the absence of air

Design

Fine-wire, tin-plated copper conductor

Silicone-based insulation

Core colour: Red

Cores connected in parallel with a separating strip

One of the two cores is marked for identification

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single-core cable
Conductor design:	Fine wire according to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm ²
Minimum bending radius:	Fixed installation: 6 x outer diameter Single bend: 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 otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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 only.



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Article number	Conductor cross-section (mm ²)	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

Last Update (22.03.2017)

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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