**Benefits**
- The remaining SiO₂ ash has insulating properties after combustion

**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, Thermal and heating elements, Lighting technology, Ventilator engineering, Air-conditioning technology, Furnace construction, Plastic processing, Generator and transformer manufacturing

**ÖLFLEX® 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

**Norm references / approvals**
- Increased voltage rating is not subject to the Low Voltage Directive 2014/35/EU

**Design**
- Fine-wire, tin-plated copper conductor
- Silicone-based insulation
- Core colour: Red

**Technical data**

<table>
<thead>
<tr>
<th>Classification</th>
<th>ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single-core cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor design</td>
<td>Fine wire according to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm²</td>
</tr>
<tr>
<td>Minimum bending radius</td>
<td>Fixed installation: 6 x outer diameter Single bend: 3 x cable diameter</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>Version SiF/GL/SiZ: U0/U 300/500 V /Version FZLSi: 10 kV</td>
</tr>
<tr>
<td>Test voltage</td>
<td>Version SiF/GL/SiZ: 2000 V /Version FZLSi: 20 kV</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-50°C to +180°C (adequate ventilation required) Short-term: +200°C</td>
</tr>
</tbody>
</table>

**Article number** | **Conductor cross-section (mm²)** | **Outer diameter [mm]** | **Copper index (kg/km)** | **Weight (kg/km)** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>25100011</td>
<td>1 (32 x 0,2)</td>
<td>7.0</td>
<td>9.6</td>
<td>68.0</td>
</tr>
<tr>
<td>25100051</td>
<td>1,5 (30 x 0,25)</td>
<td>7.6</td>
<td>14.4</td>
<td>83.0</td>
</tr>
</tbody>
</table>

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 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

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.

**Accessories**
- Kabelschere mit Doppelschneide refer to page [P305271]
- UNIVERSAL STRIP stripping tool refer to page [P1257]
- KS 20 cable shears refer to page [P1249]

For current information see: www.lappgroup.com