



**Info**

- With glass fibre protection braiding



ÖLFLEX® HEAT 180 SiF/GL

**Info**

- Separable twin conductor



ÖLFLEX® HEAT 180 SiZ

**Info**

- 10 kV high-voltage ignition wire



ÖLFLEX® HEAT 180 FZLSi

**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

**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

**Norm references / Approvals**

- ÖLFLEX® HEAT 180 FZLSi
- Increased voltage rating is not subject to the Low Voltage Directive 2014/35/EU

**Product Make-up**

- ÖLFLEX® HEAT 180 SiF/GL
- Fine-wire, tinned-copper conductor
  - Silicone-based insulation
  - Impregnated glass fibre braiding
  - White, with natural glass fibre braiding
- ÖLFLEX® HEAT 180 SiZ
- 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
- ÖLFLEX® HEAT 180 FZLSi
- Fine-wire, tinned-copper conductor
  - Silicone-based insulation
  - Colour of core insulation: red

**Technical data**

- Classification ETIM 5/6**  
 ETIM 5.0/6.0 Class-ID: EC000993  
 ETIM 5.0/6.0 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

Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® HEAT 180 SiF/GL hook-up wire with glass fibre braiding</b>				
0065102	0.5	2.5	4.8	11
0065103	0.75	2.8	7.2	14
0065104	1	2.9	9.6	17
0065105	1,5	3.2	14.4	23
0065106	2,5	3.8	24	36
0065107	4	4.6	38	54
0065108	6	5.4	58	80
0065109	10	7.6	96	133
0065110	16	8.4	154	198
0065111	25	10.2	240	301
0065112	35	11.3	336	401
0065113	50	13.4	480	567
<b>ÖLFLEX® HEAT 180 SiZ twin conductor</b>				
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
<b>ÖLFLEX® HEAT 180 FZLSi high-voltage ignition wire</b>				
2510001	1 (32 x 0,2)	7.0	9.6	68
2510005	1,5 (30 x 0,25)	7.6	14.4	83

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.