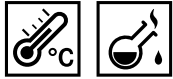


Expanded ambient temperatures

Silicone single cores (-50°C to +180°C)



**ÖLFLEX® HEAT 180 SiF/GL**



**Info**

- With glass fibre protection braiding

**ÖLFLEX® HEAT 180 SiZ**



**Info**

- Separable twin conductor

**ÖLFLEX® HEAT 180 FZLSi**



**Info**

- 10 kV high-voltage ignition wire

**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

**Product features**

- Halogen-free according to IEC 60754-1
- Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances

**Norm references / Approvals**

- ÖLFLEX® HEAT 180 FZLSi**
- Increased voltage rating is not subject to the Low Voltage Directive 2006/95/EC

**Product make-up**

- ÖLFLEX® HEAT 180 SiF/GL**
- Fine-wire, tinned-copper conductor
  - Silicone-based insulation
  - Impregnated glass fibre braiding
- ÖLFLEX® HEAT 180 SiZ**
- Fine-wire, tinned-copper conductor
  - Silicone-based insulation
  - Cores connected in parallel with a separating strip
- ÖLFLEX® HEAT 180 FZLSi**
- Fine-wire, tinned-copper conductor
  - Silicone-based insulation

**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**  
Version SiF/GL / SiZ:  
U<sub>c</sub>/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	11.0
0065103	0.75	2.8	7.2	14.0
0065104	1	2.9	9.6	17.0
0065105	1.5	3.2	14.4	23.0
0065106	2.5	3.8	24.0	36.0
0065107	4	4.6	38.0	54.0
0065108	6	5.4	58.0	80.0
0065109	10	7.6	96.0	133.0
0065110	16	8.4	154.0	198.0
0065111	25	10.2	240.0	301.0
0065112	35	11.3	336.0	401.0
0065113	50	13.4	480.0	567.0
<b>ÖLFLEX® HEAT 180 SiZ twin conductor</b>				
0065201	2 x 0.5	2.1 x 4.2	9.6	17.0
0065202	2 x 0.75	2.3 x 4.6	14.4	24.0
<b>ÖLFLEX® HEAT 180 FZLSi high-voltage ignition wire</b>				
2510001	1 (32 x 0,2)	7.0	9.6	68.0
2510005	1,5 (30 x 0,25)	7.6	14.4	83.0

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.  
Colour of core insulation: ÖLFLEX® HEAT 180 SiF/GL = white; with natural glass fibre braiding / ÖLFLEX® HEAT 180 SiZ = red; ÖLFLEX® HEAT 180 FZLSi = red