

## Product Description



## Application range

- Areas with high ambient temperatures where conventional core insulation materials will embrittle after a short while
- Typical fields of application - Switchgear cabinet building - Appliances and apparatus engineering - Electric motor industry - Sauna/solarium construction - Thermal and heating elements - Lighting technology - Ventilator engineering - Air-conditioning technology - Oven construction - Polymer processing - Generator and transformer building

## Design

- Fine strands of tinned copper wires
- Silicone based insulation

## Approvals (Norm references)

- Increased voltage rating underlies not the Low Voltage Directive 2006/95/EC

## Product features

- Halogen free in accordance with IEC 60754-1
- Resistant against a multitude of oils, alcohols, vegetable and animal fats and chemical media



Technical Data

**Conductor stranding**

Fine wire according to VDE 0295, Class 5 / IEC 60228 Cl. 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

**Rated 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

**Range of temperature**

-50 °C up to +180 °C (adequate ventilation provided)  
Temporary: +200°C

Article List

Part number	Conductor cross section in mm <sup>2</sup>	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 180 FZLSi high-voltage ignition wire				
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

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (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.

Core colours: ÖLFLEX® HEAT 180 SiF/GL = white with natural glass fibre braiding / ÖLFLEX® HEAT 180 SiZ = red / ÖLFLEX® HEAT 180 FZLSi = red