

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
- Impregnated glass fibre braiding

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 mm²

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 ²	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 180 SiF/GL hook-up wire with glass fibre braiding				
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

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

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