

# ÖLFLEX® HEAT 180 SiD

Versatile solid conductors with extended temperature range



Info

- Solid copper conductor

### 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

### Product features

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

### Approvals (Norm references)



### Design

- Tinned solid copper wire conductor
- Silicone based insulation

### Technical data

- Specific insulation resistance**  
>200 GOhm x cm
- Conductor stranding**  
Solid copper conductor
- Minimum bending radius**  
Fixed installation: 6 x core diameter  
One bend at end of core:  
3 x cable diameter
- Rated voltage**  
U<sub>0</sub>/U 300/500 V
- Test voltage**  
2000 V
- Range of temperature**  
-50 °C up to +180 °C  
(adequate ventilation provided)  
Temporary: +200°C

Conductor cross section in mm <sup>2</sup>	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.	green/yellow	black	blue	brown	beige
0.5	2.0	4.8	9.0		0068001			
0.75	2.2	7.2	12.0	0069000	0069001	0069002	0069003	
1	2.3	9.6	15.0	0070000	0070001	0070002	0070003	
1.5	2.6	14.4	20.0	0071000	0071001	0071002	0071003	0071004
2.5	3.2	24.0	32.0		0072001	0072002		
4	3.9	38.0	50.0		0073001			
6	4.6	58.0	64.5		0074001	0074002		

Conductor cross section in mm <sup>2</sup>	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.	green	purple	red	white
0.5	2.0	4.8	9.0				0068105
0.75	2.2	7.2	12.0	0069006	0069007	0069104	0069105
1	2.3	9.6	15.0		0070007	0070104	0070105
1.5	2.6	14.4	20.0				0071105

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)

Also available on large spools and non-returnable barrels.

Part number index of core colours: 000 =greenyellow / 001 =black / 002 =blue / 003 =brown / 004 =beige / 006 =green / 007 =purple / 104 =red / 105 =white

Other colours on request