

Power and control cables **Expanded ambient temperatures**

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

ÖLFLEX® HEAT 180 SiD

Versatile solid conductors with extended temperature range



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

Approvals (Norm references)



Design

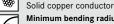
- Tinned solid copper wire conductor
- Silicone based insulation

Technical data



Specific insulation resistance





Minimum bending radius

Fixed installation: 6 x core diameter

One bend at end of core: 3 x cable diameter



Rated voltage U₀/U 300/500 V Test voltage



Range of temperature

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

Conductor cross section in mm²	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 mm²	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

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

Please specify the desired packaging size (e.g. $1 \times 500 \text{ m}$ drum or $5 \times 100 \text{ m}$ 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