



ÖLFLEX® HEAT 180 SiD

Silicone single core cable with solid conductor



Info

- Solid single copper conductor

Benefits

- Possesses insulating properties after combustion due to remaining SiO₂ ash on the conductor

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 (amount of halogen acid gas)
- Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Flame-retardant according IEC 60332-1-2
- Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances
- Adequate ventilation must be ensured, since the mechanical properties of silicone cables decrease from +100°C in the absence of air

Product Make-up

- Tinned solid copper wire
- Silicone-based insulation

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000993
ETIM 5.0/6.0 Class-Description: Single core cable



Conductor stranding

Solid single copper conductor



Minimum bending radius

Fixed installation: 6 x core diameter
One bend at end of core:
3 x cable diameter



Nominal voltage

U₀/U: 300/500 V



Test voltage

2000 V



Temperature range

-50 °C to +180 °C
(adequate ventilation required)
Short-term: +200°C

Conductor cross-section (mm ²)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)	brown	black	blue	green/yellow	white
ÖLFLEX® HEAT 180 SiD								
0.5	2.0	4.8	9		0068001			0068105
0.75	2.2	7.2	12	0069003	0069001	0069002	0069000	0069105
1	2.3	9.6	15	0070003	0070001	0070002	0070000	0070105
1.5	2.6	14.4	20	0071003	0071001	0071002	0071000	0071105
2.5	3.2	24	32		0072001	0072002		
4	3.9	38	50		0073001			
6	4.6	58	64.5		0074001	0074002		

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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

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).

Also available on large spools and non-returnable drums.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Other colours are available upon request

Similar products

- ÖLFLEX® HEAT 180 SiF refer to page 198
- ÖLFLEX® HEAT 180 SiF A refer to page 199