



ÖLFLEX® HEAT 180 SiD

Versatile solid conductors with extended temperature range

Info

- Solid single copper 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
- Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances

Product make-up

- Tinned solid copper wire
- Silicone-based insulation

Technical data

- Classification**
ETIM 5.0 Class-ID: EC000993
ETIM 5.0 Class-Description: Single core cable
- Specific insulation resistance**
>200 GOhm x cm
- 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
0.5	2.0	4.8	9.0		0068001			0068105
0.75	2.2	7.2	12.0	0069003	0069001	0069002	0069000	0069105
1	2.3	9.6	15.0	0070003	0070001	0070002	0070000	0070105
1.5	2.6	14.4	20.0	0071003	0071001	0071002	0071000	0071105
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 (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	green	violet	red	beige
0.75	2.2	7.2	12.0	0069006	0069007	0069104	
1	2.3	9.6	15.0		0070007	0070104	
1.5	2.6	14.4	20.0				0071004

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.
 Article number index of core colours: 000 = green-yellow; 001 = black; 002 = blue; 003 = brown; 004 = beige; 006 = green; 007 = violet; 104 = red; 105 = white
 Other colours are available upon request

Similar products

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