ÖLFLEX® HEAT 180 SiD

Silicone single core cable with solid conductor

ÖLFLEX® HEAT 180 SiD - solid wire silicone single core for use in machines, plant construction and toolbuilding for temperatures up to +180°C

Info
Solid single copper conductor

Halogen-free

Cold-resistant

Temperature-resistant

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

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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
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- 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:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000993 ETIM 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

Note

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.
Prices are net prices without VAT and surcharges. Sale to business customers only.
Other colours are available upon request

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
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0068001	0.5	2	black	4.8	9
0068105	0.5	2	white	4.8	9
0069000	0.75	2.2	green/yellow	7.2	12
0069001	0.75	2.2	black	7.2	12
0069002	0.75	2.2	blue	7.2	12
0069003	0.75	2.2	brown	7.2	12
0069105	0.75	2.2	white	7.2	12
0070000	1.0	2.3	green/yellow	9.6	15
0070001	1.0	2.3	black	9.6	15
0070002	1.0	2.3	blue	9.6	15
0070003	1.0	2.3	brown	9.6	15
0070105	1.0	2.3	white	9.6	15
0071000	1.5	2.6	green/yellow	14.4	20
0071001	1.5	2.6	black	14.4	20
0071002	1.5	2.6	blue	14.4	20
0071003	1.5	2.6	brown	14.4	20
0071105	1.5	2.6	white	14.4	20
0072001	2.5	3.2	black	24	32
0072002	2.5	3.2	blue	24	32
0073001	4.0	3.9	black	38	50
0074001	6.0	4.6	black	58	64.5
0074002	6.0	4.6	blue	58	64.5

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