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## Silicone Cable

The silicone cable is a low voltage lead-out cable, consisting of one cable made of tinned Cu-ETP conductors and coated with extruded silicone rubber insulation.

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## Attributes

The silicone cable achieves thermal class H (180 °C). It offers excellent dielectric strength even for short-term thermal overload. Cable skinning occurs mechanically. The silicone cable is halogen free.

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## Application

The silicone cable is used as a connection cable in electric motors and transformers with very high thermal stress. It also offers sufficient safety for applications with permanent high thermal stress in apparatus, machine and plant engineering.

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## Standards

- Class 5 according to EN 60228
- EN 50525-1
- Halogen-free acc. IEC 60754-1
- Corrosiveness of combustion gases acc. IEC 60754-2
- Flame retardent, fire extinguishing acc. IEC 60332-1 for sections  $\geq 1.5 \text{ mm}^2$

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## Delivery forms

Conductor cross section formats:

mm <sup>2</sup>	length in m on a ring
0.25 - 6.00	100
10.00 - 35.00	50
50.00 - 95.00	25

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## Conductor

The dimensions specified in the technical datasheet are regarded as standard values. The actual cross sections may vary. The cables are manufactured according to European standards with a metric conductor cross section.

Always observe relevant standards valid for divergent operating conditions when laying for greater limit current loads.

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## Color

Black, white, red, green, blue, grey, yellow, natural, brown, pink, orange, green-yellow, violet.

Dimension	Unit of measure						
Nominal cross section	mm <sup>2</sup>	0.25	0.50	0.75	1.00	1.50	2.50
Strands x diameter	ref. value	8 x 0.20	16 x 0.20	24 x 0.20	32 x 0.20	30 x 0.25	50 x 0.25
Outer diameter	mm	1.80	2.10	2.40	2.50	2.80	3.40

Dimension	Unit of measure						
Nominal cross section	mm <sup>2</sup>	4.00	6.00	10.00	16.00	25.00	35.00
Strands x diameter	ref. value	56 x 0.30	84 x 0.30	80 x 0.40	128 x 0.40	196 x 0.40	280 x 0.40
Outer diameter	mm	4.20	5.00	6.60	7.40	9.20	10.30

Dimension	Unit of measure					
Nominal cross section	mm <sup>2</sup>	50.00	70.00	95.00	120.00	150.00
Strands x diameter	ref. value	400 x 0.40	544 x 0.40	760 x 0.40	950 x 0.40	1184 x 0.40

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Dimension	Unit of measure					
Outer diameter	mm	12.20	14.20	16.60	18.0	20.00

Thermal	Unit of measure	Value
Thermal class		H (180°C)
Temperature range permanent	°C	-50 up to 180

Electrical	Unit of measure	Value
Operating voltage	V	300/500
Testing voltage	V	2000

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