
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.

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.

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.

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 retardant, fire extinguishing acc. IEC 60332-1 for sections $\geq 1.5 \text{ mm}^2$

Delivery forms

Conductor cross section formats:

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

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.

Color

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

Dimension	Unit of measure						
Nominal cross section	mm ²	0.25	0.50	0.75	1.00	1.50	2.50
Strands x diameter	Richtwerte	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 ²	4.00	6.00	10.00	16.00	25.00	35.00
Strands x diameter	Richtwerte	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 ²	50.00	70.00	95.00	120.00	150.00
Strands x diameter	Richtwerte	400 x 0.40	544 x 0.40	760 x 0.40	950 x 0.40	1184 x 0.40

The information on this data sheet is based on the information provided by our supplier. It does not represent any specification or agreements regarding conditions or properties. The indicated values are standard values. Deviations from those values due to production and application cannot be excluded. The information on this data sheet is addressed to experts who use it at their own discretion and at their own risk. We do not guarantee results, or accept liability for the indicated specifications or for results obtained based on the specifications. Please contact us for more detailed information. Non-toxic and toxic substances are listed on the safety data sheet.

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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