

SILICONE CABLES

SC 123 Silicone insulated strands with fiberglass braid



SC 123 is a high temperature single conductor silicone wire recommended for use in applications where temperature exceeds the maximum rating of traditional plastic and rubber insulated wires. This cable is a flexible, cost-effective wire. Recommended applications include foundries, steel mills and glass factories, and other high temperature processes and is recommended wherever an overall abrasion resistant covering is required.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to DIN VDE 0282 part 1 and HD 22.1
Standard color:	nature
Braiding:	fiberglass
Impregnation:	impregnating lacquer

Technical data:

Nominal voltage:	U ₀ /U 300/300 V
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range	
<i>static:</i>	-40/+180 °C
<i>flexing:</i>	-25/+180 °C
<i>short-time use:</i>	+250 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Corrosivity:	in compliance with IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

Outstanding features:

- halogen-free
- flexible at low temperatures
- heat resistant
- flexible

item no.	mm ²	AWG	nominal outer- inch	outer- mm	cable weight ≈ lbs/ft
▶ 01230050	0.50	20 (≈ 16/32)	0.094	2.4	7
▶ 01230070	0.75	19 (≈ 23/32)	0.106	2.7	11
▶ 01230100	1.00	18 (≈ 30/32)	0.110	2.8	12
▶ 01230150	1.50	16 (≈ 27-29/30)	0.126	3.2	15
▶ 01230250	2.50	14 (≈ 46/30)	0.154	3.9	24
▶ 01230400	4.00	12 (≈ 52/28)	0.177	4.5	34
▶ 01230600	6.00	10 (≈ 78/28)	0.205	5.2	50
▶ 01231000	10.00	8 (≈ 77/26)	0.287	7.3	91
▶ 01231600	16.00	6 (≈ 122/26)	0.327	8.3	133
▶ 01232500	25.00	4 (≈ 190/26)	0.402	10.2	206
▶ 01233500	35.00	2 (≈ 272/26)	0.449	11.4	271
▶ 01235000	50.00	1 (≈ 400/26)	0.555	14.1	384
▶ 01237000	70.00	2/0 (≈ 543/26)	0.594	15.1	509
▶ 01239500	95.00	3/0 (≈ 484/24)	0.728	18.5	702

Other dimensions and colors are possible on request.