

SILICONE CABLES

SC 113 Silicone insulated hook up wire



SC 113 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 alternative to teflon 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® E12 acc. to DIN VDE 0282 part 1 and HD 22.1

Outstanding features:

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

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
Chem. resistance:	see page N/9
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	mm ²	AWG	nominal inch	outer- ϕ mm	cable weight ≈ lbs/mft
▶ 0113002...*	0.25	24 (14/34)	0.067	1.7	3
▶ 0113003...*	0.34	22 (7/30)	0.071	1.8	4
▶ 0113005...*	0.50	20 (15/32)	0.075	1.9	5
▶ 0113007...*	0.75	19 (23/32)	0.087	2.2	7
▶ 0113010...*	1.00	18 (30/32)	0.091	2.3	9
▶ 0113015...*	1.50	16 (27/30)	0.110	2.8	12
▶ 0113025...*	2.50	14 (46/30)	0.134	3.4	19
▶ 0113040...*	4.00	12 (52/29)	0.157	4.0	30
▶ 0113060...*	6.00	10 (78/28)	0.177	4.5	42
▶ 0113100...*	10.00	8 (77/26)	0.240	6.1	72
▶ 0113160...*	16.00	6 (129/26)	0.295	7.5	112
▶ 0113250...*	25.00	4 (200/26)	0.366	9.3	182
▶ 0113350...*	35.00	2 (280/26)	0.421	10.7	253
▶ 0113500...*	50.00	1 (400/26)	0.484	12.3	351
▶ 0113700...*	70.00	2/0 (554/26)	0.575	14.6	479
▶ 0113950...*	95.00	3/0 (484/24)	0.689	17.5	646
▶ 0113120...*	120.00	4/0 (589/24)	0.748	19.0	791
▶ 0113150...*	150.00	250 MCM (740/24)	0.823	20.9	982
▶ 0113185...*	185.00	350 MCM (899/24)	0.906	23.0	1200
▶ 0113240...*	240.00	450 MCM (1220/24)	1.059	26.9	1615
▶ 0113300...*	300.00	550 MCM (1525/24)	1.181	30.0	2015

Other dimensions and colors are possible on request.

* Color code for single conductors:

- ...0 = green-yellow ...4 = gray
 ...1 = blue ...5 = white
 ...2 = black ...6 = reddish brown
 ...3 = brown ...7 = red