

# High Temperature Cables

## SC 113

Silicone insulated hook-up wire



### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	Besilen® EI2 acc. to DIN EN 50363-1

### Outstanding features:



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

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Testing voltage:</b>	2000 V
<b>Min. bending radius:</b>	7.5 x O.D.
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b>	
<i>static:</i>	-40/+180°C
<i>flexible:</i>	-25/+180°C
<i>short-term use:</i>	+250°C
<b>Halogen-free</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
<b>Corrosivity:</b>	in compliance with IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2- no development of corrosive conflagration gases
<b>Chemical resistance:</b>	see page O/11
<b>Weather resistance:</b>	very good
<b>Approvals:</b>	CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	mm <sup>2</sup>	AWG		nominal outer-ø		cable weight ≈lbs/mft
			(≈)	inch	mm	
▶ 113002...*	0.25	24	(≈ 14/34)	0.067	1.7	3
▶ 113003...*	0.34	22	(≈ 7/30)	0.071	1.8	4
▶ 113005...*	0.50	20	(≈ 16/32)	0.075	1.9	5
▶ 113007...*	0.75	19	(≈ 23/32)	0.087	2.2	7
▶ 113010...*	1.00	18	(≈ 30/32)	0.091	2.3	9
▶ 113015...*	1.50	16	(≈ 27-29/30)	0.110	2.8	12
▶ 113025...*	2.50	14	(≈ 46/30)	0.134	3.4	19
▶ 113040...*	4.00	12	(≈ 52/28)	0.157	4.0	30
▶ 113060...*	6.00	10	(≈ 78/28)	0.177	4.5	42
▶ 113100...*	10.00	8	(≈ 77/26)	0.240	6.1	72
▶ 113160...*	16.00	6	(≈ 122/26)	0.295	7.5	112
▶ 113250...*	25.00	4	(≈ 190/26)	0.366	9.3	182
▶ 113350...*	35.00	2	(≈ 272/26)	0.421	10.7	253
▶ 113500...*	50.00	1	(≈ 400/26)	0.484	12.3	351
▶ 113700...*	70.00	2/0	(≈ 543/26)	0.575	14.6	479
▶ 113950...*	95.00	3/0	(≈ 484/24)	0.689	17.5	646
▶ 113120...*	120.00	4/0	(≈ 589/24)	0.748	19.0	791
▶ 113150...*	150.00	250 MCM	(≈ 740/24)	0.823	20.9	982
▶ 113185...*	185.00	350 MCM	(≈ 902/24)	0.906	23.0	1200
▶ 113240...*	240.00	450 MCM	(≈ 1220/24)	1.059	26.9	1615
▶ 113300...*	300.00	550 MCM	(≈ 1525/24)	1.181	30.0	2015

Other dimensions and colors are available 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