

High Temperature Cables

SC 123

Silicone insulated hook-up wire with fiberglass braid



Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to DIN EN 50363-1
Standard color:	nature
Braiding:	fiberglass
Impregnation:	impregnating lacquer

Outstanding features:



- halogen-free
- flexible at low temperatures
- heat resistant
- fiberglass braid for additional protection

Technical data:

Nominal voltage:	Uo/U 300/500 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>flexible:</i>	-25/+180°C
<i>short-term use:</i>	+250°C
Halogen-free	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
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	mm ²	AWG		nominal outer-ø		cable weight
				inch	mm	≈lbs/mft
▶ 1230050	0.5	20	(≈ 16/32)	0.094	2.4	7
▶ 1230070	0.75	19	(≈ 23/32)	0.106	2.7	11
▶ 1230100	1.00	18	(≈ 30/32)	0.110	2.8	12
▶ 1230150	1.50	16	(≈ 27-29/30)	0.126	3.2	15
▶ 1230250	2.50	14	(≈ 46/30)	0.154	3.9	24
▶ 1230400	4.00	12	(≈ 52/28)	0.177	4.5	34
▶ 1230600	6.00	10	(≈ 78/28)	0.205	5.2	50
▶ 1231000	10.00	8	(≈ 77/26)	0.287	7.3	91
▶ 1231600	16.00	6	(≈ 122/26)	0.327	8.3	133
▶ 1232500	25.00	4	(≈ 190/26)	0.402	10.2	206
▶ 1233500	35.00	2	(≈ 272/26)	0.449	11.4	271
▶ 1235000	50.00	1	(≈ 400/26)	0.555	14.1	384
▶ 1237000	70.00	2/0	(≈ 543/26)	0.594	15.1	509
▶ 1239500	95.00	3/0	(≈ 484/24)	0.728	18.5	702

Other dimensions and colors are available on request