

up to 1.8/3.0 kV

SILICONE CABLES



B 107 Silicone insulated strands



Marking for B 107 01071000:

SAB BRÖCKSKES · D-VIERSEN · B 107 · U₀/U 1,8/3 kV

The current and earth connection with silicone insulated copper round strands B 107 is used as current connection in the 3. current collector, at pantographs and as earth connection at wheel sets, coupling blocks and crane mountings on rail vehicles. The strands can be laid easily in narrow spaces due to its extremely flexible construction. The translucent insulation enables an easy control of the state of conductor.

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	Besilen® EI2 acc. to DIN EN 50363-1
Color:	translucent

Outstanding features:

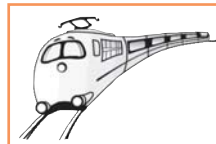
- halogen-free
- heat resistant
- flexible at low temperatures
- flame retardant and self-extinguishing
- weather resistant

Technical data:

Nominal voltage	
12 - 10 AWG:	U ₀ /U 1.5/1,5 kV
from 8 AWG:	U ₀ /U 1.8/3.0 kV
Testing voltage	
12 - 10 AWG:	4000 V
from 8 AWG:	6000 V
Min. bending radius:	5 x O.D.
Temperature range	
static:	-50/+180 °C
flexing:	-25/+180 °C
short-time use:	+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
Corrosiveness of Burnindcteristics:	IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 – no development of corrosive conflagration gas
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	mm ²	AWG	nominal outer- ϕ inch	mm	cable weight ≈ lbs/mft
▶ 01070400	4.00	12 (≈ 224/34)	0.209	5.3	36
▶ 01070600	6.00	10 (≈ 186/32)	0.224	5.7	49
▶ 01071000	10.00	8 (≈ 320/32)	0.354	9.0	77
▶ 01071600	16.00	6 (≈ 504/32)	0.366	9.3	130
▶ 01072500	25.00	4 (≈ 760/32)	0.472	12.0	222
▶ 01073500	35.00	2 (≈ 1083/32)	0.543	13.8	284
▶ 01075000	50.00	1 (≈ 703/28)	0.618	15.7	387
▶ 01077000	70.00	2/0 (≈ 988/28)	0.697	17.7	518
▶ 01079500	95.00	3/0 (≈ 1340/28)	0.740	18.8	676
▶ 01071200	120.00	4/0 (≈ 1680/28)	0.866	22.0	845
▶ 01071500	150.00	250 MCM (≈ 2122/28)	0.933	23.7	1036
▶ 01071850	185.00	350 MCM (≈ 1472/26)	0.996	25.3	1266

Other dimensions and colors are possible on request.



**Especially
for use in
rail vehicles**