

High Temperature Cables

B 108

Shielded silicone insulated specially stranded copper rope with copper braid

Nominal voltage up to
U₀/U 1.8/3 kV



KES · D-VIERSEN · B 108 U₀/U 1.8/3 kV 10.0mm²



Marking for B 108 1081000:

SAB BRÖCKSKES · D-VIERSEN · B 108 U₀/U 1.8/3 kV 10.0mm²

Construction:

Conductor:	bare copper strands, extra fine wires
Shielding:	bare copper braiding
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Color:	translucent

Outstanding features:

- extremely flexible
- halogen-free
- heat resistant
- flexible at low temperatures
- flame retardant and self-extinguishing
- weather resistant
- dimensionally stable construction

Technical data:

Nominal voltage:	12 - 10 AWG: U ₀ /U 1.5/1.5 kV from 8 AWG: U ₀ /U 1.8/3 kV
Testing voltage:	12 - 10 AWG: 4000 V from 8 AWG: 6500 V
Current carrying capacity:	acc. to VDE 0298-4, see page O20 & O21
Min. bending radius:	5 x O.D.
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 IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosivity:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Approvals:	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 ≈lbs/mft
			inch	mm	
▶ 1080400	4.00	12 (≈ 224/34)	0.224	5.7	44
▶ 1080600	6.00	10 (≈ 186/32)	0.240	6.1	58
▶ 1081000	10.00	8 (≈ 320/32)	0.370	9.4	110
▶ 1081600	16.00	6 (≈ 504/32)	0.382	9.7	143
▶ 1082500	25.00	4 (≈ 760/32)	0.496	12.6	236
▶ 1083500	35.00	2 (≈ 1083/32)	0.567	14.4	314
▶ 1085000	50.00	1 (≈ 703/28)	0.642	16.3	419
▶ 1087000	70.00	2/0 (≈ 988/28)	0.728	18.5	572
▶ 1089500	95.00	3/0 (≈ 1340/28)	0.772	19.6	734
▶ 1081200	120.00	4/0 (≈ 1680/28)	0.839	21.3	897
▶ 1081500	150.00	250 MCM (≈ 2122/28)	0.965	24.5	1120

Other dimensions and colors are available on request