

High Temperature Cables

B 119

Silicone insulated hook-up Uo/U 1.8/3kV

On request with
RoHS recognition

nominal voltage
Uo/U 1.8/3 kV



Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:



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

Technical data:

Nominal voltage:	Uo/U 1.8/3 kV
Testing voltage:	6000 V
Current carrying capacity:	acc. to VDE 0298-4, see page O20 & O21
Min. bending radius:	7.5 x O.D.
Temperature range:	
<i>static:</i>	-40/+180°C
<i>flexible:</i>	-25/+180°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	
▶ 119..82*	1.50	16 (≈ 27-29/30)	0.165	4.2	19
▶ 119..84*	2.50	14 (≈ 46/30)	0.181	4.6	26
▶ 119..86*	4.00	12 (≈ 52/28)	0.205	5.2	36
▶ 119..87*	6.00	10 (≈ 78/28)	0.224	5.7	49
▶ 119..88*	10.00	8 (≈ 77/26)	0.287	7.3	82
▶ 119..89*	16.00	6 (≈ 122/26)	0.343	8.7	122
▶ 119..90*	25.00	4 (≈ 190/26)	0.421	10.7	187
▶ 119..91*	35.00	2 (≈ 272/26)	0.476	12.1	256
▶ 119..92*	50.00	1 (≈ 400/26)	0.524	13.3	357
▶ 119..93*	70.00	2/0 (≈ 543/26)	0.614	15.6	476
▶ 119..94*	95.00	3/0 (≈ 484/24)	0.728	18.5	657
▶ 119..95*	120.00	4/0 (≈ 589/24)	0.803	20.4	802
▶ 119..96*	150.00	250 MCM (≈ 740/24)	0.862	21.9	989
▶ 119..97*	185.00	350 MCM (≈ 902/24)	0.945	24.0	1201
▶ 119..98*	240.00	450 MCM (≈ 1220/24)	1.091	27.7	1613
▶ 119..99*	300.00	550 MCM (≈ 1525/24)	1.213	30.8	2008

Other dimensions and colors are available on request

* Color code for single conductors:

01 = black	06 = green
02 = blue	07 = violet
03 = brown	08 = white
04 = gray	16 = gentian blue
05 = yellow	27 = green/yellow