

High Temperature Cables

B 118

Silicone insulated hook-up wire U₀/U 0.6/1kV

On request with **RU** recognition
 nominal voltage U₀/U 0.6/1 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:	U ₀ /U 0.6/1 kV
Testing voltage:	2500 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:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	mm ²	AWG	outer-ø		cable weight ≈ lbs/mft
			± 5% inch	± 5% mm	
▶ 118..50*	0.50	20 (≈ 16/32)	0.098	2.5	7
▶ 118..75*	0.75	19 (≈ 23/32)	0.110	2.8	9
▶ 118..80*	1.00	18 (≈ 30/32)	0.114	2.9	11
▶ 118..82*	1.50	16 (≈ 27-29/30)	0.126	3.2	13
▶ 118..84*	2.50	14 (≈ 46/30)	0.150	3.8	21
▶ 118..86*	4.00	12 (≈ 52/28)	0.181	4.6	32
▶ 118..87*	6.00	10 (≈ 78/28)	0.201	5.1	44
▶ 118..88*	10.00	8 (≈ 77/26)	0.264	6.7	76
▶ 118..89*	16.00	6 (≈ 122/26)	0.319	8.1	115
▶ 118..90*	25.00	4 (≈ 190/26)	0.390	9.9	176
▶ 118..91*	35.00	2 (≈ 272/26)	0.445	11.3	243
▶ 118..92*	50.00	1 (≈ 400/26)	0.508	12.9	354
▶ 118..93*	70.00	2/0 (≈ 543/26)	0.598	15.2	468
▶ 118..94*	95.00	3/0 (≈ 484/24)	0.697	17.7	637
▶ 118..95*	120.00	4/0 (≈ 589/24)	0.772	19.6	780
▶ 118..96*	150.00	250 MCM (≈ 740/24)	0.846	21.5	976
▶ 118..97*	185.00	350 MCM (≈ 902/24)	0.929	23.6	1193
▶ 118..98*	240.00	450 MCM (≈ 1220/24)	1.075	27.3	1598
▶ 118..99*	300.00	550 MCM (≈ 1525/24)	1.197	30.4	1991

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

Besilen® cable: B 118

