

High Temperature Cables

B 120

Silicone insulated hook-up wire Uo/U 3.6/6kV

nominal voltage
Uo/U 3.6/6 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 3.6/6 kV
Testing voltage:	11 kV
Current carrying capacity:	acc. to VDE 0298-4, see page O20 & O21
Min. bending radius:	7.5 x O.D.
Temperature range:	
static:	-40/+180°C
flexible:	-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	outer-ø		cable weight ≈ lbs/mft
			± 5% inch	± 5% mm	
▶ 120..82*	1.50	16 (≈ 27-29/30)	0.268	6.8	38
▶ 120..84*	2.50	14 (≈ 46/30)	0.283	7.2	46
▶ 120..86*	4.00	12 (≈ 52/28)	0.307	7.8	59
▶ 120..87*	6.00	10 (≈ 78/28)	0.327	8.3	74
▶ 120..88*	10.00	8 (≈ 77/26)	0.374	9.5	108
▶ 120..89*	16.00	6 (≈ 122/26)	0.429	10.9	151
▶ 120..90*	25.00	4 (≈ 190/26)	0.508	12.9	223
▶ 120..91*	35.00	2 (≈ 272/26)	0.563	14.3	296
▶ 120..92*	50.00	1 (≈ 400/26)	0.610	15.5	402
▶ 120..93*	70.00	2/0 (≈ 543/26)	0.701	17.8	527
▶ 120..94*	95.00	3/0 (≈ 484/24)	0.807	20.5	711
▶ 120..95*	120.00	4/0 (≈ 589/24)	0.882	22.4	860
▶ 120..96*	150.00	250 MCM (≈ 740/24)	0.941	23.9	1052
▶ 120..97*	185.00	350 MCM (≈ 902/24)	1.008	25.6	1334

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