

High Temperature Cables

B 119

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

On request with
RU 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: | 6500 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 | outer-ø | | cable weight ≈lbs/mft |
|------------|-----------------|---------------------|--------------|------------|--------------------------|
| | | | ± 5% inch | ± 5% 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 |