

Besilen® - Silicone Cables

Nominal voltage
3.5/4.0/7.5 kV

BiL

Besilen® insulated single conductor for tube lamps (neon cable)



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 |
| Sheath colour: | yellow (similar RAL 1006) |

Outstanding features:



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

Technical data:

| | |
|--|---|
| Nominal voltage: | U ₀ 3,5 kV · U ₀ 4,0 kV · U ₀ 7,5 kV |
| Testing voltage: | 10 kV |
| Min. bending radius: | 7.5 x d |
| Radiation resistance: | 2 x 10 ⁷ cJ/kg |
| Temperature range | |
| <i>fixed laying:</i> | -40/+180 °C |
| <i>flexible application:</i> | -25/+180 °C |
| <i>short-time use:</i> | +250 °C |
| Halogen-free: | acc. to IEC 60754-1 + VDE 0482-754-1 |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 |
| Corrosiveness of conflagration gases: | IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases |
| Chem. resistance: | see chapter N „Technical Data“ |
| Weather resistance: | very good |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see chapter N „Technical Data“ |

| item no. | nominal cross section mm ² | largest single wire ø mm | nominal voltage kV | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|---------------------------------------|--------------------------|--------------------|-----------------|---------------------|----------------------|
| 01063515 | 1,50 | 0,26 | 3,5 | 4,4 | 14,4 | 32 |
| 01064815 | 1,50 | 0,26 | 4,0 | 6,6 | 14,4 | 59 |
| 01067515 | 1,50 | 0,26 | 7,5 | 7,6 | 14,4 | 75 |

Other dimensions and colours are possible on request.