

Besilen® - Silicone Cables

BiL

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

Nominal voltage
3.5/4.0/7.5 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

Sheath colour: yellow (similar RAL 1006)

Outstanding features:

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

Technical data:

Nominal voltage: U_o 3,5 kV · U_o 4,0 kV · U_o 7,5 kV

Testing voltage: 10 kV

Min. bending radius: 7.5 x d

Radiation resistance: 2 x 10⁷ cJ/kg

Temperature range

fixed laying: -40/+180 °C

flexible application: -25/+180 °C

short time use: +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 ± 10% 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.