

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 10 ⁷ 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.