

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



Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to DIN EN 50363-1
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 DIN VDE 0472 part 815 and IEC 60754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 – no development of corrosive conflagration gases
Chem. resistance:	see page N/9
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/14

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.