

# Besilen® - Silicone Cables

## ZKBi

Besilen® ignition cable

Testing voltage  
20 kV



### Construction:

<b>Conductor:</b>	tinned copper strands, acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
<b>Braiding:</b>	fibre-glass
<b>Sheath material:</b>	Besilen® 2GM1 acc. to EN 50363-2-1 + VDE 0207-363-2-1
<b>Sheath colour:</b>	blue (similar RAL 5012)

### Outstanding features:

- » halogen-free
- » flexible at low temperatures
- » heat resistant
- » voltage-stable

### Technical data:

<b>Testing voltage:</b>	20 kV
<b>Min. bending radius:</b>	7.5 x d
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>fixed laying:</i>	-40/+180 °C
<i>flexible application:</i>	-25/+180 °C
<i>short time use:</i>	+250 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosiveness of conflagration gases:</b>	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Chem. resistance:</b>	see chapter N „Technical data“
<b>Weather resistance:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	nominal cross section mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
01040101	1,00	0,21	8,0	9,6	78
01040115	1,50	0,26	8,5	14,4	95

Other dimensions and colours are possible on request.