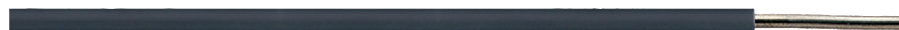


# Besilen® - Silicone Cables

## BiA

Besilen® insulated wire



### Construction:

<b>Conductor:</b>	solid tinned copper wire acc. to IEC 60228, VDE 0295, class 1
<b>Insulation:</b>	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1

### Outstanding features:



- halogen-free
- heat resistant

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/300 V
<b>Testing voltage:</b>	2000 V
<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> <i>flexible application:</i> <i>short-time use:</i>	 -40/+180 °C -25/+180 °C +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>	nominal wire-ø ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
0111005 *	0,50	0,80	1,8	4,8	8
0111007 *	0,75	0,98	2,0	7,2	10
0111010 *	1,00	1,13	2,1	9,6	13
0111015 *	1,50	1,38	2,6	14,4	19
0111025 *	2,50	1,78	3,2	24,0	31
0111040 *	4,00	2,26	3,7	38,4	47
0111060 *	6,00	2,76	4,2	57,6	67
0111100 *	10,00	3,57	5,6	96,0	114

Other dimensions and colours are possible on request.

#### \* Colour code for single conductors, position 8 of the item no.:

0 = green-yellow	4 = grey
1 = blue	5 = white
2 = black	6 = reddish brown
3 = brown	7 = red