

# Besilen® - Silicone Cables

## N2GFAF/2GFAF

Besilen® insulated strands acc. to DIN VDE 0250



### 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

### Outstanding features:



- flexible
- halogen-free
- 0,75 mm<sup>2</sup> VDE standardized
- flexible at low temperatures
- 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>	-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 ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
0158002...*	0,25	0,16	1,9	2,4	6
0158003...*	0,34	0,26	2,0	3,3	7
0158005...*	0,50	0,21	2,1	4,8	9
0152007...*	0,75**	0,21	2,4	7,2	12
0158010...*	1,00	0,21	2,5	9,6	14
0158015...*	1,50	0,26	3,0	14,4	20
0158025...*	2,50	0,26	3,6	24,0	31

Other dimensions and colours are possible on request.

#### \* Colour code for single conductors:

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

\*\* N2GFA 0,75 mm<sup>2</sup>  
according to DIN VDE 0250 part 502.  
Other cross sections with reference to  
DIN VDE 0250 part 502.