

Besilen® - Silicone Cables

N2GFAF/2GFAF

Besilen® insulated strands acc. to DIN VDE 0250



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

Outstanding features:

- » flexible
- » halogen-free
- » 0,75 mm² VDE standardized
- » flexible at low temperatures
- » heat resistant

Technical data:

Nominal voltage: U_o/U 300/300 V

Testing voltage: 2000 V

Min. bending radius: 7.5 x d

Radiation resistance: 2 x 10⁷ 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	outer-ø ± 10% 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 |

** N2GFAF 0,75 mm² according to DIN VDE 0250 part 502. Other cross sections with reference to DIN VDE 0250 part 502.