

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:	Uo/U 300/300 V
Testing voltage:	2000 V
Min. bending radius:	7.5 x d
Radiation resistance:	2 x 10 ⁷ 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 mm²	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.