N2GFA/2GFA

Besilen® insulated wire acc. to DIN VDE 0250



Construction:

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

Outstanding features:

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

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:* *flexible application:* *short-time use:*	 -40/+180 °C -25/+180 °C +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	nominal wire-ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
0157005...*	0,50	0,80	2,1	4,8	9
0151007...*	0,75**	0,98	2,2	7,2	11
0157010...*	1,00	1,13	2,4	9,6	14
0157015...*	1,50	1,38	2,8	14,4	21
0157025...*	2,50	1,78	3,4	24,0	33

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 mm² according to DIN VDE 0250 part 502. Other cross sections with reference to DIN VDE 0250 part 502.