# N2GFAF/2GFAF

Besilen® insulated strands acc. to DIN VDE 0250



## Construction:

| | |
|---|---|
| Conductor: | tinned copper strands<br>acc. to IEC 60228, VDE 0295, class 5 |
| Insulation: | Besilen® EI2<br>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
- 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<br>*fixed laying:*<br>*flexible application:*<br>*short-time use:* | <br>-40/+180 °C<br>-25/+180 °C<br>+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<br>- 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.