

Besilen® - Silicone Cables

BiAFF

Besilen® insulated strands, highly flexible



Construction:

Conductor: tinned copper strands, highly flexible
Insulation: Besilen® EI2
acc. to EN 50363-1 + VDE 0207-363-1

Outstanding features:

- » halogen-free
- » flexible at low temperatures
- » heat resistant
- » highly flexible

Technical data:

Nominal voltage: Uo/U 300/300 V
Testing voltage: 2000 V
Min. bending radius: 5 x d
Radiation resistance: 2 x 10⁷ cJ/kg
Temperature range cable
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
0115025.*	0,25	0,05	1,9	2,4	6
0115050.*	0,50	0,05	2,2	4,8	9
0115051.*	0,50	0,07	2,2	4,8	9
0115075.*	0,75	0,05	2,4	7,2	12
0115076.*	0,75	0,07	2,5	7,2	13
0115100.*	1,00	0,05	2,7	9,6	15
0115101.*	1,00	0,07	2,7	9,6	15
0115150.*	1,50	0,07	3,3	14,4	22
0115250.*	2,50	0,07	4,0	24,0	35

Other dimensions and colours are possible on request.

* Colour code for single conductors, position 8 of the item no.:

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