

## BiAFF Besilen® insulated strands, highly flexible



### Construction:

**Conductor:** tinned copper strands, highly flexible  
**Insulation:** Besilen® E12 acc. to DIN EN 50363-1

### Outstanding features:

- ▶ halogen-free
- ▶ flexible at low temperatures
- ▶ heat resistant
- ▶ highly flexible
- ▶ EAC approval

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/300 V
<b>Testing voltage:</b>	2000 V
<b>Min. bending radius:</b>	5 x d
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>fixed laying:</i>	-40/+180 °C
<i>flexible application:</i>	-25/+180 °C
<i>short-time use:</i>	+250 °C
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 + IEC 60754-1
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
<b>Corrosiveness of conflagration gases:</b>	IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
<b>Chem. resistance:</b>	see page N/11
<b>Weather resistance:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17

item no.	nominal cross section mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% 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:

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