

## B 119 Besilen® insulated strands U<sub>o</sub>/U 1.8/3 kV



### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	Besilen® EI2 acc. to DIN EN 50363-1

### Outstanding features:

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

### Technical data:

<b>Nominal voltage:</b>	U <sub>o</sub> /U 1,8/3 kV
<b>Testing voltage:</b>	6000 V
<b>Min. bending radius:</b>	7,5 x d
<b>Temperature range</b>	
<i>fixed laying:</i>	-40/+180 °C
<i>flexible application:</i>	-25/+180 °C
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 and 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>Weather resistance:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/14

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
0119 .. 82	1,50	0,26	4,2	14,4	30
0119 .. 84	2,50	0,26	4,7	24,0	41
0119 .. 86	4,00	0,31	5,3	38,4	58
0119 .. 87	6,00	0,31	5,8	57,6	78
0119 .. 88	10,00	0,41	8,1	96,0	140
0119 .. 89	16,00	0,41	9,1	153,6	198
0119 .. 90	25,00	0,41	11,2	240,0	317
0119 .. 91	35,00	0,41	12,4	336,0	422

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
0119 .. 92	50,00	0,41	14,7	480,0	584
0119 .. 93	70,00	0,41	15,7	672,0	773
0119 .. 94	95,00	0,51	19,5	912,0	1077
0119 .. 95	120,00	0,51	21,0	1152,0	1288
0119 .. 96	150,00	0,51	22,7	1440,0	1574
0119 .. 97	185,00	0,51	24,1	1776,0	1897
0119 .. 98	240,00	0,51	27,8	2304,0	2542
0119 .. 99	300,00	0,51	30,9	2880,0	3163

Other dimensions and colours are possible on request.

#### \* Colour code for single conductors:

01 = black	06 = green
02 = blue	07 = violet
03 = brown	08 = white
04 = grey	16 = enzianblue
05 = yellow	27 = green-yellow