

## B 107 Besilen® insulated strands



Marking for B 107 01071000:  
SAB BRÖCKSKES · D-VIERSEN · B 107 · Uo/U 1,8/3 kV

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	Besilen® EI2 acc. to DIN VDE 0282 part 1 and HD 22.1
<b>Colour:</b>	translucent

### Outstanding features:

- halogen-free
- heat resistant
- flexible at low temperatures
- flame retardant and self-extinguishing
- weather resistant

### Technical data:

<b>Nominal voltage</b>	
4,0 - 6,0 mm <sup>2</sup> :	Uo/U 1,5/1,5 kV
10,0 - 150,0 mm <sup>2</sup> :	Uo/U 1,8/3,0 kV
<b>Testing voltage</b>	
4,0 - 6,0 mm <sup>2</sup> :	4000 V
10,0 - 150,0 mm <sup>2</sup> :	6000 V
<b>Min. bending radius:</b>	5 x d
<b>Temperature range</b>	
fixed laying:	-40/+180 °C
flexible application:	-25/+180 °C
short-time use:	+250 °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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, 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
01070400	4,00	0,07	5,3	38,4	54
01070600	6,00	0,07	5,7	57,6	73
01071000	10,00	0,07	9,0	96,0	114
01071600	16,00	0,07	9,3	153,6	194
01072500	25,00	0,10	12,0	240,0	331
01073500	35,00	0,10	13,8	336,0	422
01075000	50,00	0,10	15,7	480,0	576
01077000	70,00	0,10	17,7	672,0	771
01079500	95,00	0,10	18,8	912,0	1006
01071200	120,00	0,10	22,0	1152,0	1257
01071500	150,00	0,10	23,7	1440,0	1542

Other dimensions and colours are possible on request.

## B 108 Besilen® insulated strands with copper braid



BRÖCKSKES · D-VIERSEN · B 108 · U<sub>o</sub>/U 1,8/3,0

Marking for B 108 01081000:  
SAB BRÖCKSKES · D-VIERSEN · B 108 · U<sub>o</sub>/U 1,8/3 kV

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Screen:</b>	bare copper braiding
<b>Insulation:</b>	Besilen® EI2 acc. to DIN VDE 0282 part 1 and HD 22.1
<b>Colour:</b>	translucent

### Outstanding features:

- halogen-free
- heat resistant
- flexible at low temperatures
- flame retardant and self-extinguishing
- weather resistant
- dimensionally stable construction

### Technical data:

<b>Nominal voltage</b>	
4,0 - 6,0 mm <sup>2</sup> :	U <sub>o</sub> /U 1,5/1,5 kV
10,0 - 150,0 mm <sup>2</sup> :	U <sub>o</sub> /U 1,8/3,0 kV
<b>Testing voltage</b>	
4,0 - 6,0 mm <sup>2</sup> :	4000 V
10,0 - 150,0 mm <sup>2</sup> :	6000 V
<b>Min. bending radius:</b>	5 x d
<b>Temperature range</b>	
fixed laying:	-40/+180 °C
flexible application:	-25/+180 °C
short-time use:	+250 °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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, 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
01080400	4,00	0,07	5,7	53,7	67
01080600	6,00	0,07	6,1	73,3	87
01081000	10,00	0,07	9,4	116,3	164
01081600	16,00	0,07	9,7	174,2	214
01082500	25,00	0,10	12,6	285,9	351
01083500	35,00	0,10	14,4	388,3	468
01085000	50,00	0,10	16,3	542,1	629
01087000	70,00	0,10	18,5	771,8	852
01089500	95,00	0,10	19,6	1023,5	1096
01081200	120,00	0,10	22,8	1285,7	1363
01081500	150,00	0,10	24,5	1593,3	1663

Other dimensions and colours are possible on request.