

B 110 C Besilen® insulated copper rope with overall copper screen



BRÖCKSKES · D-VIERSEN · B 110 C 25,0mm

Marking for B 110 C 01102500: SAB BRÖCKSKES · D-VIERSEN · B 110 C 25,0mm² - 1,8/3 kV

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	Besilen® EI2 acc. to DIN EN 50363-1, orange
Wrapping:	alu foli
Screen:	bare copper braiding
Sheath material:	Besilen® EM9 acc. to EN 50363-2-1
Sheath colour:	orange (similar RAL 2004)

Technical data:

Nominal voltage	4,0 - 6,0 mm ² : U _o /U 1,5/1,5 kV AC U _o /U 2,2/2,2 kV DC 10,0 - 185,0 mm ² : U _o /U 1,8/3,0 kV AC U _o /U 2,7/5,4 kV DC
Testing voltage	4,0 - 6,0 mm ² : 4000 V 10,0 - 185,0 mm ² : 6000 V
Min. bending radius	
<i>fixed laying:</i>	6 x d
<i>flexible application:</i>	10 x d
Temperature range	
<i>fixed laying:</i>	-50/+180 °C
<i>flexible application:</i>	-25/+180 °C
<i>short-time use:</i>	+250 °C
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

Outstanding features:

- ▶ good EMC characteristics
- ▶ halogen-free
- ▶ heat resistant
- ▶ flexible at low temperatures
- ▶ flame retardant and self-extinguishing
- ▶ weather resistant

item no.	nominal cross section mm ²	largest single wire ø mm	ø over inner sheath approx. mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
01100400	4,00	0,07	5,3	8,0	59,2	101
01100600	6,00	0,07	5,7	8,4	108,8	143
01101000	10,00	0,07	9,0	13,7	148,8	281
01101600	16,00	0,07	9,3	14,0	213,4	338
01102500	25,00	0,10	12,0	17,3	308,7	506
01103500	35,00	0,10	13,8	19,7	447,7	682
01105000	50,00	0,10	15,7	21,6	596,9	860
01107000	70,00	0,10	17,7	23,6	808,3	1090
01109500	95,00	0,10	18,8	24,7	1066,0	1349
01101200	120,00	0,10	20,5	26,4	1312,6	1608
01101500	150,00	0,10	23,7	29,6	1629,4	1963
01101850	185,00	0,15	25,3	31,6	1972,8	2352

Other dimensions and colours are possible on request.

Application:



for example for the connection of converters to test benches for electric mobility.

Very good laying compatibility due to the extremely flexible construction.