

HIGHLY FLEXIBLE HIGH VOLTAGE CABLE

B 110 C Sense Cable

halogen-free Besilen® Sense cable, shielded, cULus recognized

Nominal voltage up to
U₀/U 1.8/3 kV AC



Marking for B 110 C Sense Cable:

SAB BRÖCKSKES · D-VIERSEN · B 110 C Sense Cable 2x1,0mm² 0110-9001 cULus AWM Style 4659 AWM I/II A/B 150°C 3000V FT1 FT2

Construction:

Conductor:	bare copper strands, extra fine wires
Core insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Colour code:	black and red
Stranding:	together with , AWG 26
Screen:	alu foil, tinned copper drain wire and tinned copper braiding
Sheath material:	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
Sheath colour:	orange (similar RAL 2004)

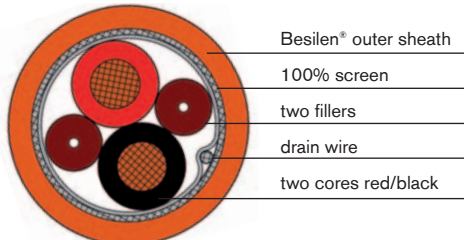
Technical data:

Nominal voltage:	U ₀ /U 1,8/3,0 kV AC U ₀ /U 2,7/5,4 kV DC
Voltage cULus:	3000 V
Testing voltage:	4000 V
Current-carrying capacity:	acc. to VDE 0298-4
Min. bending radius	
fixed laying:	6 x d
flexible application:	10 x d
Temperature range	DIN VDE cULus: up to +150 °C
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, cULus FT1, FT2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union

Outstanding features:



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



item no.	no. of cores x cross section n x mm ²	core-ø max. mm	outer-ø approx. mm		copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20 °C max. Ω/km
01109006	2 x 0,25	3,50	10,2	10,7	32,8	112	80,0
01109007	2 x 0,34	3,60	10,6	11,1	53,5	130	58,8
01109008	2 x 0,50	3,80	11,1	11,7	57,3	142	39,0
01109001	2 x 1,00	4,35	12,1	12,7	72,7	170	20,0
01109002	2 x 1,50	4,75	12,9	13,5	90,1	198	13,3
01109003	2 x 2,50	5,25	13,9	14,6	111,0	238	7,98
01109004	2 x 4,00	5,95	15,3	16,1	146,5	297	4,95
01109005	2 x 6,00	6,35	16,3	17,1	216,3	365	3,3

Other dimensions and colours are possible on request.

Possible on request:

As harnessed cable
acc. to customer's specification