

# Besilen® - Silicone Cables

## SC 700 C HDTR

Besilen® insulated strands with overall copper screen and Besilen® outer sheath, UL/cUL recognized

Temperature range  
Up to  
**+200 °C**



Marking for SC 700 C HDTR 01260410:

SAB BRÖCKSKES · D-VIERSEN · SC 700 C HDTR AWM Style 4511 200°C 600V cUL AWM I/II A/B 200°C 600V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	< 10 mm <sup>2</sup> : nickel-plated copper strands ≥ 10 mm <sup>2</sup> : tinned copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
<b>Colour code:</b>	coloured acc. to HD 308 (VDE 0293-308), from 6 cores black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, from 3 cores a green-yellow earth wire
<b>Stranding:</b>	in layers
<b>Inner sheath:</b>	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
<b>Screen:</b>	tinned copper braiding
<b>Sheath material:</b>	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
<b>Sheath colour:</b>	black (similar RAL 9011)

### Outstanding features:



- good EMC characteristics
- halogen-free
- flexible at low temperatures
- heat resistant
- UL/cUL recognized

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Voltage UL/cUL:</b>	600 V
<b>Testing voltage:</b>	core/core 2000 V core/screen 2000 V
<b>Min. bending radius</b>	
fixed laying:	5 x d
flexible application:	10 x d
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
fixed laying:	UL/cUL: up to +200 °C DIN VDE: -40/+180 °C
flexible application:	-25/+180 °C
short-time use:	+250 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, cUL FT1, FT2
<b>Corrosiveness of conflagration gases:</b>	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
01260207	2 x 0,75	0,21	8,2	37,0	87
01260307	3 x 0,75	0,21	8,5	44,4	97
01260407	4 x 0,75	0,21	9,0	55,0	112
01260507	5 x 0,75	0,21	9,7	62,9	129
01260210	2 x 1,00	0,21	8,4	42,0	93
01260310	3 x 1,00	0,21	8,7	54,7	115
01260410	4 x 1,00	0,21	9,3	64,8	123
01260510	5 x 1,00	0,21	10,1	93,8	158
01260710	7 x 1,00	0,21	11,0	114,3	187
01260215	2 x 1,50	0,26	9,4	55,3	118
01260315	3 x 1,50	0,26	10,0	88,8	149
01260415	4 x 1,50	0,26	10,8	104,4	175

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
01260515	5 x 1,50	0,26	11,6	125,5	205
01260715	7 x 1,50	0,26	12,8	161,0	256
01260225	2 x 2,50	0,26	11,2	99,8	180
01260325	3 x 2,50	0,26	11,7	124,5	207
01260425	4 x 2,50	0,26	12,9	156,3	259
01260525	5 x 2,50	0,26	14,3	187,0	312
01260340	3 x 4,00	0,31	13,8	177,1	293
01260440	4 x 4,00	0,31	14,8	221,5	347
01260540	5 x 4,00	0,31	16,7	292,3	449
01260360	3 x 6,00	0,31	15,1	241,2	373
01260460	4 x 6,00	0,31	16,8	330,9	499
01260560	5 x 6,00	0,31	18,1	400,8	568

Other dimensions and colours are possible on request.