

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 example:

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

Construction:

Conductor:	< 10 mm ² : nickel-plated copper strands ≥ 10 mm ² : tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Colour code:	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
Stranding:	in layers
Inner sheath:	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
Screen:	tinned copper braiding
Sheath material:	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
Sheath colour:	black (similar RAL 9011)

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Voltage UL/cUL:	600 V
Testing voltage:	core/core 2000 V core/screen 2000 V
Min. bending radius	
fixed laying:	5 x d
flexible application:	10 x d
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range	UL/cUL: up to +200 °C
fixed laying:	DIN VDE: -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, cUL FT1, FT2
Corrosiveness of conflagration gases:	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Outstanding features:

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

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 10% 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 ²	largest single wire ø mm	outer-ø ± 10% 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.