

Besilen® - Silicone Cables

SC 600 HDTRS

Besilen® insulated strands with Besilen® outer sheath and steel wire armoring for mechanical protection



Marking for SC 600 HDTRS 01280310:

SAB BRÖCKSKES · D-VIERSEN · SC 600 HDTRS AWM Style 4535 150°C 600V CSA AWM I/II A 150°C 600V FT1 FT2

Construction:

Conductor:	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
Sheath material:	Besilen® better than EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
Sheath colour:	reddish brown (similar RAL 3016)
Armour:	galvanized steel wire braiding

Outstanding features:



- halogen-free
- flexible at low temperatures
- heat resistant
- protection against mechanical damage
- UL recognized, CSA approved

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Voltage UL/CSA:	600 V
Testing voltage:	core/core 2000 V
Min. bending radius	
<i>fixed laying:</i>	4 x d
<i>flexible application:</i>	6 x d
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range	
<i>fixed laying:</i>	UL/CSA: up to +150 °C Style 4535
<i>flexible application:</i>	DIN VDE: -40/+180 °C / +200 °C (2000 h)
<i>short-time use:</i>	-25/+180 °C +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, CSA 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“

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
01280207	2 x 0,75	0,21	6,9	14,4	66
01280307	3 x 0,75	0,21	7,2	21,6	75
01280407	4 x 0,75	0,21	7,7	28,8	86
01280507	5 x 0,75	0,21	8,4	36,0	104
01280607	6 x 0,75	0,21	9,0	43,2	116
01280707	7 x 0,75	0,21	9,0	50,4	125
01280210	2 x 1,00	0,21	7,1	19,2	72
01280310	3 x 1,00	0,21	7,4	28,8	83
01280410	4 x 1,00	0,21	8,0	38,4	97
01280510	5 x 1,00	0,21	8,6	48,0	116
01280610	6 x 1,00	0,21	9,3	57,6	131
01280710	7 x 1,00	0,21	9,3	67,2	142
01280215	2 x 1,50	0,26	7,9	28,8	89
01280315	3 x 1,50	0,26	8,3	43,2	109
01280415	4 x 1,50	0,26	8,8	57,6	126
01280515	5 x 1,50	0,26	9,7	72,0	148
01280615	6 x 1,50	0,26	10,5	86,4	173

item no.	no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
01280715	7 x 1,50	0,26	10,5	100,8	190
01280225	2 x 2,50	0,26	9,3	48,0	128
01280325	3 x 2,50	0,26	9,8	72,0	153
01280425	4 x 2,50	0,26	10,6	96,0	188
01280525	5 x 2,50	0,26	11,9	120,0	226
01280625	6 x 2,50	0,26	12,9	144,0	259
01280725	7 x 2,50	0,26	12,9	168,0	286
01280240	2 x 4,00	0,31	10,5	76,8	170
01280340	3 x 4,00	0,31	11,4	115,2	219
01280440	4 x 4,00	0,31	12,4	153,6	264
01280540	5 x 4,00	0,31	13,7	192,0	327
01280640	6 x 4,00	0,31	14,9	230,4	376
01280740	7 x 4,00	0,31	14,9	268,8	417
01280260	2 x 6,00	0,31	12,0	115,2	234
01280360	3 x 6,00	0,31	12,7	172,8	288
01280460	4 x 6,00	0,31	13,8	230,4	363
01280560	5 x 6,00	0,31	15,1	288,0	429

Other dimensions and colours are possible on request.



Temperature range up to +200 °C
Style 4511 with nickel
or silver plated copper strands.
Please contact SAB!