



## SC 600 HDTRS SABIX® insulated strands with Besilen® outer sheath and steel wire armouring for mechanical protection



Marking for SC 600 HDTRS 01280310:

SAB BRÖCKSKES · D-VIERSEN · SC 600 HDTR AWM Style 4535 150°C 600V CSA AWM VII A 150°C 600V FT1 FT2

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX®
<b>Colour code:</b>	up to 5 cores coloured acc. to HD 308 (VDE 0293 part 308); from 6 cores black cores with consecutive numbers acc. to EN 50334; from 3 cores a green-yellow earth wire
<b>Stranding:</b>	in layers
<b>Sheath material:</b>	Besilen® better than EM9 acc. to DIN EN 50363-2-1
<b>Sheath colour:</b>	reddish brown (similar RAL 3016)
<b>Armour:</b>	galvanized steel wire braiding

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Voltage UL/CSA:</b>	600 V
<b>Testing voltage:</b>	2000 V acc. to DIN VDE 0282 part 2 + HD 22.2
<b>Min. bending radius</b>	
<i>fixed laying:</i>	4 x d
<i>flexible application:</i>	6 x d
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	<b>UL/CSA:</b> up to +150 °C Style 4535
<i>fixed laying:</i>	<b>DIN VDE:</b> -40/+180 °C / +200 °C (2000 h)
<i>flexible application:</i>	-25/+180 °C
<i>short-time use:</i>	+250 °C
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 + IEC 60754-1
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, CSA FT1 + FT2
<b>Corrosiveness of conflagration gases:</b>	IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/14

### Outstanding features:

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

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	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
01280207	2 x 0,75	0,21	6,9	14,4	66	01280715	7 x 1,50	0,26	10,5	100,8	190
01280307	3 x 0,75	0,21	7,2	21,6	75	01280225	2 x 2,50	0,26	9,3	48,0	128
01280407	4 x 0,75	0,21	7,7	28,8	86	01280325	3 x 2,50	0,26	9,8	72,0	153
01280507	5 x 0,75	0,21	8,4	36,0	104	01280425	4 x 2,50	0,26	10,6	96,0	188
01280607	6 x 0,75	0,21	9,0	43,2	116	01280525	5 x 2,50	0,26	11,9	120,0	226
01280707	7 x 0,75	0,21	9,0	50,4	125	01280625	6 x 2,50	0,26	12,9	144,0	259
01280210	2 x 1,00	0,21	7,1	19,2	72	01280725	7 x 2,50	0,26	12,9	168,0	286
01280310	3 x 1,00	0,21	7,4	28,8	83	01280240	2 x 4,00	0,31	10,5	76,8	170
01280410	4 x 1,00	0,21	8,0	38,4	97	01280340	3 x 4,00	0,31	11,4	115,2	219
01280510	5 x 1,00	0,21	8,6	48,0	116	01280440	4 x 4,00	0,31	12,4	153,6	264
01280610	6 x 1,00	0,21	9,3	57,6	131	01280540	5 x 4,00	0,31	13,7	192,0	327
01280710	7 x 1,00	0,21	9,3	67,2	142	01280640	6 x 4,00	0,31	14,9	230,4	376
01280215	2 x 1,50	0,26	7,9	28,8	89	01280740	7 x 4,00	0,31	14,9	268,8	417
01280315	3 x 1,50	0,26	8,3	43,2	109	01280260	2 x 6,00	0,31	12,0	115,2	234
01280415	4 x 1,50	0,26	8,8	57,6	126	01280360	3 x 6,00	0,31	12,7	172,8	288
01280515	5 x 1,50	0,26	9,7	72,0	148	01280460	4 x 6,00	0,31	13,8	230,4	363
01280615	6 x 1,50	0,26	10,5	86,4	173	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!**