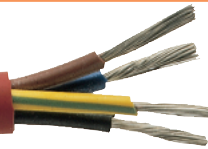


# High Temperature Cables

## SC 600 HDTR

SABIX® insulated conductors with silicone outer jacket

535 150°C 600V CSA AWM I/II A 150°C 600V FT1 FT2 CE



Marking for SC 600 HDTR 01271804:

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

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX®
<b>Color code:</b>	colored acc. to HD 308 (VDE 0293-308), from 6 conductors- black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors- a green/yellow ground
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	Besilen® better than EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
<b>Jacket color:</b>	reddish brown (similar RAL 3016)

### Outstanding features:

- halogen-free
- flexible at low temperatures
- heat resistant
- UL recognized and CSA approved

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	conductor/conductor: 2000 V	
<b>Min. bending radius:</b>		
<i>fixed installation:</i>	4 x O.D.	
<i>free movement:</i>	6 x O.D.	
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range:</b>	<b>DIN VDE</b>	<b>UL/CSA:</b>
<i>static:</i>	-40/+180°C +200°C (2000h)	up to +150°C Style 4535
<i>flexible:</i>	-25/+180°C	
<i>short-time use:</i>	+250°C	
<b>Halogen-free</b>	acc. to IEC 60754-1 + VDE 0482-754-1	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, CSA FT1, FT2	
<b>Corrosivity:</b>	IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm<sup>2</sup></b>				
01272002	2	0.220	5.6	26
01272003	3	0.232	5.9	30
01272004	4	0.248	6.3	36
01272005	5	0.272	6.9	42
01272007	7	0.295	7.5	53
01272008	8	0.339	8.6	61
01272010	10	0.366	9.3	73
01272012	12	0.378	9.6	83
01272016	16	0.417	10.6	105
01272018	18	0.441	11.2	117
01272024	24	0.516	13.1	161
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm<sup>2</sup></b>				
01271902	2	0.232	5.9	31
01271903	3	0.252	6.4	36
01271904	4	0.272	6.9	44
01271905	5	0.299	7.6	52
01271907	7	0.323	8.2	66
01271908	8	0.374	9.5	76
01271910	10	0.406	10.3	91
01271912	12	0.417	10.6	104
01271916	16	0.465	11.8	132
01271918	18	0.492	12.5	148
01271924	24	0.583	14.8	206
<b>▶ 18 AWG (≈ 30/32) ▪ 1.00 mm<sup>2</sup></b>				
01271802	2	0.248	6.3	34
01271803	3	0.260	6.6	42
01271804	4	0.283	7.2	50
01271805	5	0.307	7.8	60
01271807	7	0.335	8.5	77
01271808	8	0.386	9.8	89
01271810	10	0.421	10.7	106
01271812	12	0.433	11.0	122
01271816	16	0.480	12.2	157
01271818	18	0.512	13.0	176
01271824	24	0.626	15.9	255

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm<sup>2</sup></b>				
01271602	2	0.280	7.1	46
01271603	3	0.295	7.5	56
01271604	4	0.315	8.0	67
01271605	5	0.350	8.9	81
01271607	7	0.382	9.7	105
01271608	8	0.449	11.4	122
01271610	10	0.496	12.6	150
01271612	12	0.512	13.0	173
01271616	16	0.583	14.8	229
01271618	18	0.614	15.6	255
01271624	24	0.724	18.4	339
<b>▶ 14 AWG (≈ 46/30) ▪ 2.50 mm<sup>2</sup></b>				
01271402	2	0.335	8.5	68
01271403	3	0.354	9.0	85
01271404	4	0.386	9.8	104
01271405	5	0.437	11.1	129
01271407	7	0.476	12.1	168
01271408	8	0.563	14.3	197
01271410	10	0.622	15.8	241
01271412	12	0.642	16.3	279
01271416	16	0.720	18.3	363
01271418	18	0.760	19.3	403
01271424	24	0.913	23.2	597
<b>▶ 12 AWG (≈ 52/28) ▪ 4.00 mm<sup>2</sup></b>				
01271202	2	0.382	9.7	91
01271203	3	0.417	10.6	124
01271204	4	0.457	11.6	155
01271205	5	0.508	12.9	189
01271207	7	0.555	14.1	248
<b>▶ 10 AWG (≈ 78/28) ▪ 6.00 mm<sup>2</sup></b>				
01271002	2	0.441	11.2	134
01271003	3	0.461	11.7	167
01271004	4	0.512	13.0	212
01271005	5	0.563	14.3	256
01271007	7	0.630	16.0	348

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 8 AWG (≈ 77/26) ▪ 10.00 mm<sup>2</sup></b>				
01270802	2	0.575	14.6	228
01270803	3	0.610	15.5	291
01270804	4	0.669	17.0	363
01270805	5	0.744	18.9	443
01270807	7	0.831	21.1	601
<b>▶ 6 AWG (≈ 122/26) ▪ 16.00 mm<sup>2</sup></b>				
01270602	2	0.669	17.0	329
01270603	3	0.736	18.7	429
01270604	4	0.807	20.5	537
01270605	5	0.823	20.9	650
01270607	7	1.012	25.7	893
<b>▶ 4 AWG (≈ 190/26) ▪ 25.00 mm<sup>2</sup></b>				
01270402	2	0.850	21.6	518
01270403	3	0.906	23.0	665
01270404	4	1.008	25.6	849
<b>▶ 2 AWG (≈ 77/26) ▪ 35.00 mm<sup>2</sup></b>				
01270202	2	0.976	24.8	722
01270203	3	1.039	26.4	935
01270204	4	1.142	29.0	1181

Other dimensions and colors are available on request



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