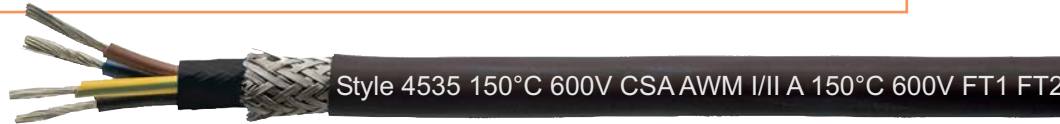


# SILICONE CABLES



## SC 500 C HDTR Shielded Silicone insulated strands with Silicone outer jacket



Marking for SC 500 C HDTR 01341804:

BRÖCKSKES · D-VIERSEN · SC 500 C HDTR AWM Style 4535 150°C 600V CSA AWM I/II A 150°C 600V FT1 FT2

SC 500 C HDTR is a heavy duty, multi-conductor, shielded, silicone insulated control cable with tear resistant silicone jacket. This cable is recommended for use in applications where high temperatures, UV light and mechanical abuse rapidly cause other cables to deteriorate. The SC 500 C HDTR is a flexible, cost effective, high temperature, alternative to teflon cables. Recommended applications include foundries, steel mills, glass factories, baking equipment, burners, heating and lighting systems. This cable can also be used anywhere salt water is present, and high temperature processes are utilized. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	Besilen® EI2 acc. to DIN VDE 0282 part 1 and HD 22.1
<b>Colour code:</b>	up to 5 conductors coloured acc. to HD 308 (VDE 0293 part 308); from 6 conductors black conductors with consecutive numbers acc. to EN 50334; from 3 conductors a green-yellow earth wire
<b>Stranding:</b>	in layers
<b>Inner jacket:</b>	Besilen® EM9 acc. to DIN VDE 0282 part 1 + HD 22.1
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	Besilen® EM9 acc. to DIN VDE 0282 part 1 + HD 22.1
<b>Jacket color:</b>	black

### Outstanding features:

- good EMC characteristics
- halogen-free
- flexible at low temperatures
- heat resistant
- protection against mechanical damage
- UL/CSA approved

### Technical data:

<b>Voltage:</b>	UL/CSA: 600 V	
<b>Nominal voltage:</b>	DIN VDE: U <sub>0</sub> /U 300/500 V	
<b>Testing voltage:</b>	2000 V acc. to DIN VDE 0282 part 2 + HD 22.2 conductor/screen 2000 V	
<b>Min. bending radius</b>		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 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> up to +150 °C
<i>static:</i>	-40/+180 °C	
<i>flexing:</i>	-25/+180 °C	
<i>short-time use:</i>	+250 °C	
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 + IEC 60754-1	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, CSA FT1 and FT2	
<b>Corrosivity:</b>	in compliance with 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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page M/25	

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 19 AWG (23/32) • 0.75 mm<sup>2</sup></b>				
01341902	2	0.339	8.6	82
01341903	3	0.350	8.9	87
01341904	4	0.370	9.4	97
01341905	5	0.398	10.1	114
<b>▶ 18 AWG (30/32) • 1.00 mm<sup>2</sup></b>				
01341802	2	0.346	8.8	87
01341803	3	0.350	8.9	94
01341804	4	0.382	9.7	110
01341805	5	0.398	10.1	124
01341807	7	0.441	11.2	146

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 16 AWG (28/30) • 1.50 mm<sup>2</sup></b>				
01341602	2	0.386	9.8	112
01341603	3	0.402	10.2	121
01341604	4	0.433	11.0	138
01341605	5	0.465	11.8	165
01341607	7	0.512	13.0	198
<b>▶ 14 AWG (46/30) • 2.50 mm<sup>2</sup></b>				
01341402	2	0.441	11.2	146
01341403	3	0.461	11.7	167
01341404	4	0.508	12.9	197
01341405	5	0.563	14.3	226

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 12 AWG (52/28) • 4.00 mm<sup>2</sup></b>				
01341203	3	0.543	13.8	221
01341204	4	0.583	14.8	258
01341205	5	0.657	16.7	323
<b>▶ 10 AWG (77/26) • 6.00 mm<sup>2</sup></b>				
01341003	3	0.594	15.1	281
01341004	4	0.661	16.8	352
01341005	5	0.713	18.1	409

Other dimensions and colors are possible on request.