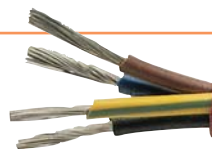


SILICONE CABLES



SC 500 HDTR Silicone insulated strands with Silicone outer jacket



Style 4535 150°C 600V CSA AWM I/II A 150°C 600V FT1 FT2

Marking for SC 500 HDTR 01371804:

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

SC 500 HDTR is a heavy duty, multi-conductor, 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 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.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to DIN VDE 0282 part 1 and HD 22.1
Colour code:	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
Stranding:	in layers
Jacket material:	Besilen® EM9 acc. to DIN VDE 0282 part 1 + HD 22.1
Jacket color:	reddish brown

Outstanding features:

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

Technical data:

Voltage:	UL/CSA: 600 V	
Nominal voltage:	DIN VDE: U ₀ /U 300/500 V	
Testing voltage:	2000 V acc. to DIN VDE 0282 part 2 + HD 22.2	
Min. bending radius		
<i>fixed installation:</i>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
<i>free movement:</i>	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.	
Radiation resistance:	2 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE:	UL/CSA: up to +150 °C
<i>static:</i>	-40/+180 °C	
<i>flexing:</i>	-25/+180 °C	
<i>short-time use:</i>	+250 °C	
Zero halogen:	acc. to DIN VDE 0472 part 815 + IEC 60754-1	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, CSA FT1 and FT2	
Corrosivity:	in compliance with IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases	
Absence of harmful substances:	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 outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
----------	--------------------------------	----------------------	--------------------	------------------------

▶ 20 AWG (17/32) • 0.50 mm²

01372002	2	0.213	5.4	26
01372003	3	0.224	5.7	31
01372004	4	0.240	6.1	37
01372005	5	0.264	6.7	45
01372007	7	0.287	7.3	56
01372008	8	0.331	8.4	71
01372010	10	0.358	9.1	76
01372012	12	0.370	9.4	87
01372016	16	0.413	10.5	114
01372018	18	0.437	11.1	126
01372024	24	0.516	13.1	163

▶ 19 AWG (23/32) • 0.75 mm²

01371902	2	0.232	5.9	32
01371903	3	0.244	6.2	38
01371904	4	0.264	6.7	45
01371905	5	0.291	7.4	56
01371907	7	0.315	8.0	69
01371908	8	0.366	9.3	89
01371910	10	0.402	10.2	96
01371912	12	0.413	10.5	110
01371916	16	0.461	11.7	142
01371918	18	0.492	12.5	162
01371924	24	0.583	14.8	209

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
----------	--------------------------------	----------------------	--------------------	------------------------

▶ 18 AWG (30/32) • 1.00 mm²

01371802	2	0.240	6.1	36
01371803	3	0.252	6.4	43
01371804	4	0.276	7.0	52
01371805	5	0.299	7.6	65
01371807	7	0.327	8.3	81
01371808	8	0.378	9.6	102
01371810	10	0.417	10.6	116
01371812	12	0.429	10.9	130
01371816	16	0.484	12.3	177
01371818	18	0.512	13.0	192
01371824	24	0.606	15.4	247

▶ 16 AWG (27-29/30) • 1.50 mm²

01371602	2	0.268	6.8	46
01371603	3	0.283	7.2	56
01371604	4	0.311	7.9	70
01371605	5	0.346	8.8	89
01371607	7	0.378	9.6	112
01371608	8	0.449	11.4	145
01371610	10	0.496	12.6	161
01371612	12	0.512	13.0	185
01371616	16	0.583	14.8	247
01371618	18	0.614	15.6	276
01371624	24	0.724	18.4	360

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
----------	--------------------------------	----------------------	--------------------	------------------------

▶ 14 AWG (46/30) • 2.50 mm²

01371402	2	0.331	8.4	71
01371403	3	0.350	8.9	88
01371404	4	0.382	9.7	108
01371405	5	0.437	11.1	136
01371407	7	0.476	12.1	177
01371408	8	0.563	14.3	207
01371410	10	0.626	15.9	251
01371412	12	0.646	16.4	295
01371416	16	0.760	19.3	376
01371418	18	0.760	19.3	425
01371424	24	0.949	24.1	597

Continued on next page