SC 500 HDTRS

Silicone insulated strands with Silicone outer jacket and steel wire armouring for mechanical

Marking for SC 500 HDTRS 01381803:

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

SC 500 HDTRS 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 HDTRS 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
Armour:	galvanized steel wire braiding

Outstanding features:

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

Technical data:

Voltage:	UL/CSA: 600 V
Nominal voltage:	DIN VDE: Uo/U 300/500 V
Testing voltage:	2000 V acc. to DIN VDE 0282 part 2 + HD 22.2
Min. bending radius	
fixed installation:	5 x O.D.
free movement:	10 x O.D.
Radiation resistance:	2 x 10^7 cJ/kg
Temperature range	**DIN VDE:** **UL/CSA:** up to +150 °C
static:	-40/+180 °C
flexing:	-25/+180 °C
short-time use:	+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	mm	cable weight ≈ lbs/mft
► **19 AWG (23/32) • 0.75 mm²**				
01381902	2	0.264	6.7	49
01381903	3	0.276	7.0	56
01381904	4	0.295	7.5	65
01381905	5	0.323	8.2	76
01381906	6	0.346	8.8	89
01381907	7	0.346	8.8	93
► **18 AWG (30/32) • 1.00 mm²**				
01381802	2	0.272	6.9	54
01381803	3	0.283	7.2	61
01381804	4	0.307	7.8	72
01381805	5	0.331	8.4	87
01381806	6	0.358	9.1	100
01381807	7	0.358	9.1	105

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **16 AWG (28/30) • 1.50 mm²**				
01381602	2	0.299	7.6	65
01381603	3	0.315	8.0	76
01381604	4	0.343	8.7	93
01381605	5	0.378	9.6	113
01381606	6	0.409	10.4	133
01381607	7	0.409	10.4	139
► **14 AWG (46/30) • 2.50 mm²**				
01381402	2	0.362	9.2	89
01381403	3	0.382	9.7	107
01381404	4	0.413	10.5	128
01381405	5	0.457	11.6	159
01381406	6	0.508	12.9	183
01381407	7	0.508	12.9	202

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **12 AWG (52/28) • 4.00 mm²**				
01381202	2	0.425	10.8	125
01381203	3	0.449	11.4	154
01381204	4	0.488	12.4	186
01381205	5	0.539	13.7	223
01381206	6	0.587	14.9	261
01381207	7	0.587	14.9	289
► **10 AWG (77/26) • 6.00 mm²**				
01381002	2	0.472	12.0	165
01381003	3	0.500	12.7	202
01381004	4	0.543	13.8	247
01381005	5	0.594	15.1	297

Other dimensions and colors are possible on request.