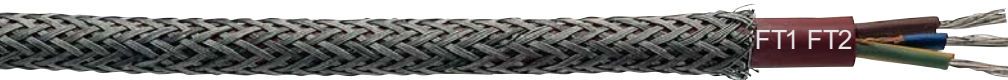


SILICONE CABLES

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: U _o /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>	5 x O.D.	
<i>free movement:</i>	10 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	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 19 AWG (23/32) • 0.75 mm²					▶ 16 AWG (28/30) • 1.50 mm²					▶ 12 AWG (52/28) • 4.00 mm²				
01381902	2	0.264	6.7	49	01381602	2	0.299	7.6	65	01381202	2	0.425	10.8	125
01381903	3	0.276	7.0	56	01381603	3	0.315	8.0	76	01381203	3	0.449	11.4	154
01381904	4	0.295	7.5	65	01381604	4	0.343	8.7	93	01381204	4	0.488	12.4	186
01381905	5	0.323	8.2	76	01381605	5	0.378	9.6	113	01381205	5	0.539	13.7	223
01381906	6	0.346	8.8	89	01381606	6	0.409	10.4	133	01381206	6	0.587	14.9	261
01381907	7	0.346	8.8	93	01381607	7	0.409	10.4	139	01381207	7	0.587	14.9	289
▶ 18 AWG (30/32) • 1.00 mm²					▶ 14 AWG (46/30) • 2.50 mm²					▶ 10 AWG (77/26) • 6.00 mm²				
01381802	2	0.272	6.9	54	01381402	2	0.362	9.2	89	01381002	2	0.472	12.0	165
01381803	3	0.283	7.2	61	01381403	3	0.382	9.7	107	01381003	3	0.500	12.7	202
01381804	4	0.307	7.8	72	01381404	4	0.413	10.5	128	01381004	4	0.543	13.8	247
01381805	5	0.331	8.4	87	01381405	5	0.457	11.6	159	01381005	5	0.594	15.1	297
01381806	6	0.358	9.1	100	01381406	6	0.508	12.9	183	Other dimensions and colors are possible on request.				
01381807	7	0.358	9.1	105	01381407	7	0.508	12.9	202					