

SILICONE CABLES

SC 600 HDTRS SABIX® insulated conductors with silicone outer jacket and steel wire armoring for mechanical protection



Marking for SC 600 HDTRS 01281803:
SAB BRÖCKSKES · D-VIERSEN · SC 600 HDTRS AWM Style 4535 150°C 600V CSA AWM I/II A 150°C 600V FT1 FT2

SC 600 HDTRS is a heavy duty, multi-conductor, silicone insulated control cable with tear resistant silicone jacket and galvanized steel wire braid. This cable is recommended for use in applications where high temperatures, UV light and mechanical abuse rapidly cause other cables to deteriorate. The SC 600 HDTRS is a flexible, cost effective, high temperature cable. 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:	SABIX®
Color code:	up to 5 conductors colored 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® better than EM9 acc. to DIN EN 50363-2-1
Jacket color:	reddish brown
Armour:	galvanized steel wire braiding

Outstanding features:

- halogen-free
- flexible at low temperatures
- heat resistant
- protection against mechanical damage
- UL recognized and 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>	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:
<i>static:</i>	-40/+180°C	up to +150°C Style 4535
	+200°C (2000h)	
<i>flexible:</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 directive of the European Union see page O/30	

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 mm ²					▶ 16 AWG (≈ 27-29/30) • 1.50 mm ²					▶ 12 AWG (≈ 52/28) • 4.00 mm ²				
01281902	2	0.272	6.9	44	01281602	2	0.311	7.9	60	01281202	2	0.413	10.5	114
01281903	3	0.283	7.2	50	01281603	3	0.327	8.3	73	01281203	3	0.449	11.4	147
01281904	4	0.303	7.7	58	01281604	4	0.346	8.8	85	01281204	4	0.488	12.4	177
01281905	5	0.331	8.4	70	01281605	5	0.382	9.7	99	01281205	5	0.539	13.7	220
01281906	6	0.354	9.0	78	01281606	6	0.413	10.5	116	01281206	6	0.587	14.9	253
01281907	7	0.354	9.0	84	01281607	7	0.413	10.5	128	01281207	7	0.587	14.9	280
▶ 18 AWG (≈ 30/32) • 1.00 mm ²					▶ 14 AWG (≈ 46/30) • 2.50 mm ²					▶ 10 AWG (≈ 78/28) • 6.00 mm ²				
01281802	2	0.280	7.1	48	01281402	2	0.366	9.3	86	01281002	2	0.472	12.0	157
01281803	3	0.291	7.4	56	01281403	3	0.386	9.8	103	01281003	3	0.500	12.7	194
01281804	4	0.315	8.0	65	01281404	4	0.417	10.6	126	01281004	4	0.543	13.8	244
01281805	5	0.339	8.6	78	01281405	5	0.469	11.9	152	01281005	5	0.594	15.1	288
01281806	6	0.366	9.3	88	01281406	6	0.508	12.9	174					
01281807	7	0.366	9.3	95	01281407	7	0.508	12.9	192					

Other dimensions and colors are possible on request.



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