

SILICONE CABLES



SC 600 HDTRS

SABIX® 772 insulated strands with Silicone outer jacket and steel wire armoring for mechanical protection



Marking for SC 600 HDTRS 01280310:

SAB BRÖCKSKES · D-VIERSEN · SC 600 HDTR AWM Style 4511 200°C 600V AWM I/II A/B 200°C 600V FT1 FT2

SC 600 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 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® 772
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 VDE 0282 part 1 + HD 22.1
Jacket color:	reddish brown
Armour:	galvanized steel wire braiding

Technical data:

Voltage:	UL/cUL: 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/cUL: up to +200 °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, cUL 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 N/28

Outstanding features:

- halogen-free
- flexible at low temperatures
- heat resistant
- protection against mechanical damage
- UL/cUL recognition

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				
01281902	2	0.272	6.9	44
01281903	3	0.283	7.2	50
01281904	4	0.303	7.7	58
01281905	5	0.331	8.4	70
01281906	6	0.354	9.0	78
01281907	7	0.354	9.0	84
▶ 18 AWG (≈ 30/32) • 1.00 mm²				
01281802	2	0.280	7.1	48
01281803	3	0.291	7.4	56
01281804	4	0.315	8.0	65
01281805	5	0.339	8.6	78
01281806	6	0.366	9.3	88
01281807	7	0.366	9.3	95

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) • 1.50 mm²				
01281602	2	0.311	7.9	60
01281603	3	0.327	8.3	73
01281604	4	0.346	8.8	85
01281605	5	0.382	9.7	99
01281606	6	0.413	10.5	116
01281607	7	0.413	10.5	128
▶ 14 AWG (≈ 46/30) • 2.50 mm²				
01281402	2	0.366	9.3	86
01281403	3	0.386	9.8	103
01281404	4	0.417	10.6	126
01281405	5	0.469	11.9	152
01281406	6	0.508	12.9	174
01281407	7	0.508	12.9	192

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 12 AWG (≈ 52/28) • 4.00 mm²				
01281202	2	0.413	10.5	114
01281203	3	0.449	11.4	147
01281204	4	0.488	12.4	177
01281205	5	0.539	13.7	220
01281206	6	0.587	14.9	253
01281207	7	0.587	14.9	280
▶ 10 AWG (≈ 78/28) • 6.00 mm²				
01281002	2	0.472	12.0	157
01281003	3	0.500	12.7	194
01281004	4	0.543	13.8	244
01281005	5	0.594	15.1	288

Other dimensions and colors are possible on request.