Temperature range up to +200°C

RoHS

SC 600 HDTR SABIX® 772 insulated strands with Silicone outer jacket

Marking for SC 600 HDTR 01270410:
SAB BRÖCKSKES · D-VIERSEN · SC 600 HDTR AWM Style 4511 200°C 600V c AWM I/II A/B 200°C 600V FT1 FT2

SC 600 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 600 HDTR 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® 722
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

Outstanding features:

- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**
- **UL/cUL recognition**

Technical data:

Voltage:	**UL/cUL:** 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:	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.
free movement:	< 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/cUL:** up to +200 °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, 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

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► 20 AWG (≈ 16/32) • 0.50 mm²				
01272002	2	0.220	5.6	26
01272003	3	0.232	5.9	30
01272004	4	0.248	6.3	36
01272005	5	0.272	6.9	42
01272007	7	0.295	7.5	53
01272008	8	0.339	8.6	61
01272010	10	0.366	9.3	73
01272012	12	0.378	9.6	83
01272016	16	0.417	10.6	106
01272018	18	0.441	11.2	117
01272024	24	0.516	13.1	161
► 19 AWG (≈ 23/32) • 0.75 mm²				
01271902	2	0.232	5.9	31
01271903	3	0.252	6.4	36
01271904	4	0.272	6.9	44
01271905	5	0.299	7.6	52
01271907	7	0.323	8.2	66
01271908	8	0.374	9.5	76
01271910	10	0.406	10.3	91
01271912	12	0.417	10.6	104
01271916	16	0.465	11.8	132
01271918	18	0.492	12.5	149
01271924	24	0.583	14.8	206

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► 18 AWG (≈ 30/32) • 1.00 mm²				
01271802	2	0.248	6.3	34
01271803	3	0.260	6.6	42
01271804	4	0.283	7.2	50
01271805	5	0.307	7.8	60
01271807	7	0.335	8.5	77
01271808	8	0.386	9.8	89
01271810	10	0.421	10.7	106
01271812	12	0.433	11.0	122
01271816	16	0.480	12.2	157
01271818	18	0.512	13.0	176
01271824	24	0.626	15.9	255
► 16 AWG (≈ 27-29/30) • 1.50 mm²				
01271602	2	0.280	7.1	46
01271603	3	0.295	7.5	56
01271604	4	0.315	8.0	67
01271605	5	0.350	8.9	81
01271607	7	0.382	9.7	105
01271608	8	0.449	11.4	122
01271610	10	0.496	12.6	150
01271612	12	0.512	13.0	173
01271616	16	0.583	14.8	229
01271618	18	0.614	15.6	255
01271624	24	0.724	18.4	339

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► 14 AWG (≈ 46/30) • 2.50 mm²				
01271402	2	0.335	8.5	68
01271403	3	0.354	9.0	85
01271404	4	0.386	9.8	104
01271405	5	0.437	11.1	129
01271407	7	0.476	12.1	168
01271408	8	0.563	14.3	197
01271410	10	0.622	15.8	241
01271412	12	0.642	16.3	279
01271416	16	0.720	18.3	363
01271418	18	0.760	19.3	403
01271424	24	0.913	23.2	597

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