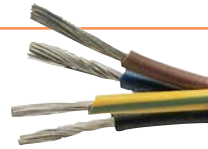




SC 600 HDTR SABIX® 772 insulated strands with Silicone outer jacket



Style 4511 200°C 600V cUL AWM I/II A/B 200°C 600V FT1 FT2

Marking for SC 600 HDTR 01270410:

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

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® 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

Outstanding features:

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

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>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
<i>free movement:</i>	< 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
<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	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 20 AWG (17/32) • 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

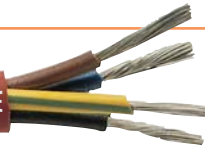
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SILICONE CABLES



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

4511 200°C 600V cUL AWM I/II A/B 200°C 600V FT1 FT2 CE



Marking for SC 600 HDTR 01270410:

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

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® 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

Outstanding features:

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

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>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
<i>free movement:</i>	< 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
<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	

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
▶ 12 AWG (52/28) • 4.00 mm²					▶ 8 AWG (77/26) • 10.00 mm²					▶ 4 AWG (200/26) • 25.00 mm²				
01271202	2	0.382	9.7	91	01270802	2	0.575	14.6	228	01270402	2	0.850	21.6	518
01271203	3	0.417	10.6	124	01270803	3	0.610	15.5	291	01270403	3	0.906	23.0	665
01271204	4	0.457	11.6	155	01270804	4	0.669	17.0	364	01270404	4	1.008	25.6	849
01271205	5	0.508	12.9	189	01270805	5	0.744	18.9	443	▶ 2 AWG (280/26) • 35.00 mm²				
01271207	7	0.555	14.1	248	01270807	7	0.831	21.1	601	01270202	2	0.976	24.8	722
▶ 10 AWG (78/28) • 6.00 mm²					▶ 6 AWG (129/26) • 16.00 mm²					01270203	3	1.039	26.4	935
01271002	2	0.441	11.2	134	01270602	2	0.669	17.0	329	01270204	4	1.142	29.0	1181
01271003	3	0.461	11.7	167	01270603	3	0.736	18.7	429	Other dimensions and colors are possible on request.				
01271004	4	0.512	13.0	212	01270604	4	0.807	20.5	537					
01271005	5	0.563	14.3	256	01270605	5	0.823	20.9	650					
01271007	7	0.630	16.0	348	01270607	7	1.012	25.7	893					

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