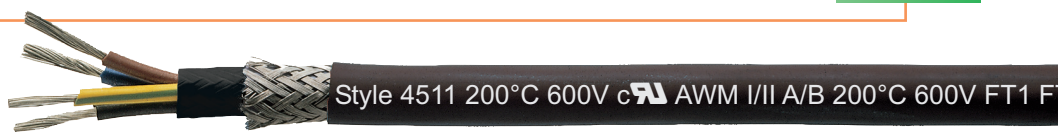
Temperature range up to +200°C

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

RoHS



Marking for SC 600 C HDTR 01240410:
SAB BRÖCKSKES · D-VIERSEN · SC 600 C HDTR AWM Style 4511 200°C 600V c AWM I/II A/B 200°C 600V FT1 FT2

SC 600 C HDTR is a heavy duty, multi-conductor, shielded, 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 C HDTR 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. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

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
Inner jacket:	Besilen® EM9 acc. to DIN VDE 0282 part 1 + HD 22.1
Screen:	tinned copper braiding
Jacket material:	Besilen® better than EM9 acc. to DIN VDE 0282 part 1 + HD 22.1
Jacket color:	black

Outstanding features:

- **good EMC characteristics**
- **halogen-free**
- **flexible at low temperatures**
- **heat resistant**
- **protection against mechanical damage**
- **UL/cUL approved**

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 conductor/screen 2000 V
Min. bending radius	
fixed installation:	5 x O.D.
free movement:	10 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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **19 AWG (23/32) • 0.75 mm²**				
01241902	2	0.323	8.2	62
01241903	3	0.335	8.5	68
01241904	4	0.354	9.0	83
01241905	5	0.382	9.7	93
► **18 AWG (30/32) • 1.00 mm²**				
01241802	2	0.331	8.4	68
01241803	3	0.343	8.7	81
01241804	4	0.366	9.3	91
01241805	5	0.398	10.1	112
01241807	7	0.433	11.0	136

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **16 AWG (28/30) • 1.50 mm²**				
01241602	2	0.370	9.4	87
01241603	3	0.394	10.0	110
01241604	4	0.425	10.8	129
01241605	5	0.457	11.6	158
01241607	7	0.504	12.8	186
► **14 AWG (46/30) • 2.50 mm²**				
01241402	2	0.441	11.2	141
01241403	3	0.461	11.7	157
01241404	4	0.508	12.9	190
01241405	5	0.563	14.3	226

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **12 AWG (52/28) • 4.00 mm²**				
01241203	3	0.543	13.8	221
01241204	4	0.583	14.8	258
01241205	5	0.657	16.7	323
► **10 AWG (77/26) • 6.00 mm²**				
01241003	3	0.594	15.1	266
01241004	4	0.661	16.8	352
01241005	5	0.713	18.1	390

Other dimensions and colors are possible on request.