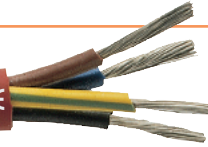


SILICONE CABLES



SC 600 HDTR SABIX® insulated conductors with silicone outer jacket

Style 4535 150°C 600V CSA AWM I/II A 150°C 600V FT1 FT2 CE



Marking for SC 600 HDTR 01271804:

SAB BRÖCKSKES · D-VIERSEN · SC 600 HDTR AWM Style 4535 150°C 600V CSA AWM I/II A 150°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® |
| 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 |

Outstanding features:

- halogen-free
- flexible at low temperatures
- heat resistant
- 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> | < 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/CSA: |
| <i>static:</i> | -40/+180°C | up to +150°C Style 4535 |
| <i>flexible:</i> | +200°C (2000h) | |
| <i>short-time use:</i> | -25/+180°C +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 |
|---|--------------------------------|----------------------|--------------------|------------------------|
| ▶ 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 | nominal outer-ø 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 |

| 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 | | | | |
| 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 |

Continued on next page



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

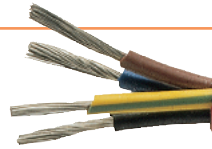
E-mail: info@sabcable.com



Web site: www.sabcable.com

SILICONE CABLES

SC 600 HDTR SABIX® insulated conductors with silicone outer jacket



Style 4535 150°C 600V CSA AWM I/II A 150°C 600V FT1 FT2

Marking for SC 600 HDTR 01271804:

SAB BRÖCKSKES · D-VIERSEN · SC 600 HDTR AWM Style 4535 150°C 600V CSA AWM I/II A 150°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® |
| 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 |

Outstanding features:

- halogen-free
- flexible at low temperatures
- heat resistant
- 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> | < 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/CSA: |
| <i>static:</i> | -40/+180°C | up to +150°C Style 4535 |
| <i>flexible:</i> | +200°C (2000h) | |
| <i>short-time use:</i> | -25/+180°C +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 |
|---|--------------------------------|----------------------|--------------------|------------------------|
| ▶ 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 |

| 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 | | | | |
| 01271202 | 2 | 0.382 | 9.7 | 91 |
| 01271203 | 3 | 0.417 | 10.6 | 124 |
| 01271204 | 4 | 0.457 | 11.6 | 155 |
| 01271205 | 5 | 0.508 | 12.9 | 189 |
| 01271207 | 7 | 0.555 | 14.1 | 248 |
| ▶ 10 AWG (≈ 78/28) • 6.00 mm² | | | | |
| 01271002 | 2 | 0.441 | 11.2 | 134 |
| 01271003 | 3 | 0.461 | 11.7 | 167 |
| 01271004 | 4 | 0.512 | 13.0 | 212 |
| 01271005 | 5 | 0.563 | 14.3 | 256 |
| 01271007 | 7 | 0.630 | 16.0 | 348 |
| ▶ 8 AWG (≈ 77/26) • 10.00 mm² | | | | |
| 01270802 | 2 | 0.575 | 14.6 | 228 |
| 01270803 | 3 | 0.610 | 15.5 | 291 |
| 01270804 | 4 | 0.669 | 17.0 | 364 |
| 01270805 | 5 | 0.744 | 18.9 | 443 |
| 01270807 | 7 | 0.831 | 21.1 | 601 |

| item no. | no. of conductors incl. ground | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft |
|--|--------------------------------|----------------------|--------------------|------------------------|
| ▶ 6 AWG (≈ 122/26) • 16.00 mm² | | | | |
| 01270602 | 2 | 0.669 | 17.0 | 329 |
| 01270603 | 3 | 0.736 | 18.7 | 429 |
| 01270604 | 4 | 0.807 | 20.5 | 537 |
| 01270605 | 5 | 0.823 | 20.9 | 650 |
| 01270607 | 7 | 1.012 | 25.7 | 893 |
| ▶ 4 AWG (≈ 190/26) • 25.00 mm² | | | | |
| 01270402 | 2 | 0.850 | 21.6 | 518 |
| 01270403 | 3 | 0.906 | 23.0 | 665 |
| 01270404 | 4 | 1.008 | 25.6 | 849 |
| ▶ 2 AWG (≈ 272/26) • 35.00 mm² | | | | |
| 01270202 | 2 | 0.976 | 24.8 | 722 |
| 01270203 | 3 | 1.039 | 26.4 | 935 |
| 01270204 | 4 | 1.142 | 29.0 | 1181 |

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!