



CONTINUOUS FLEX CABLES

new - improved
shorter pitch separation
of each layer

S 960 black Very flexible continuous flex control cable for small bending radius with black conductors



Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

SAB BRÖCKSKES · D-VIERSEN · 07521215 12 x 1,5 mm² S 960 black 16 AWG/12c 07521612 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2

S 960 black is a very flexible multi-conductor 90°C, 600 V cable designed for continuous flex applications. The S 960 black is designed for use on gantry robots, cable tracks, pick and place units, automated handling equipment, machine tools, conveyor systems and other continuous flexing applications.

Construction:

| | |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| Conductor: | bare copper strands acc. to DIN VDE 0295 class 6 + IEC 60228 class 6 + HD 383 class 6 |
| Insulation: | PVC, TI 2 acc. to DIN VDE 0281 part 1 + HD 21.1 |
| Color code: | black conductors with consecutive numbers acc. to DIN VDE 0293 + HD 21.1; green-yellow earth wire from 3 conductors |
| Stranding: | specially adjusted layering with non-woven tape over the outer layer |
| Jacket material: | PVC TM 2 acc. to DIN VDE 0281 part 1 + HD 21.1 |
| Jacket color: | black |

Technical data:

| | |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Nominal voltage: | DIN VDE: U ₀ /U 300/500 V UL + CSA: 600 V |
| Testing voltage U: | 3000 V acc. to DIN VDE 0281 part 2 + HD 21.2 |
| Min. bending radius <i>continuous flexing:</i> | 7.5 x O.D. |
| Radiation resistance: | 8 x 10 ⁷ cJ/kg |
| Temperature range <i>static:</i> <i>flexing:</i> | DIN VDE -40/+70°C UL + CSA: up to +90°C +5/+70°C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to UL VW-1 + IEC 60332-1 + CSA FT1 and FT2 |
| Oil resistance: | acc. to our internal standard see page L/23 |

B
4

Outstanding features:

- good flexibility
- small bending radius
- reinforced outer jacket

also available
with blue and red conductors and gray jacket

| item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight = lbs/mft |
|-----------------------------------------------|--------------------------------|----------------------|------|------------------------|
| ▶ 20 AWG (33/34) • 0.50 mm² | | | | |
| 07522002 | 2 | 0.217 | 5.5 | 27 |
| 07522003 | 3 | 0.228 | 5.8 | 32 |
| 07522004 | 4 | 0.248 | 6.3 | 38 |
| 07522005 | 5 | 0.276 | 7.0 | 48 |
| 07522007 | 7 | 0.323 | 8.2 | 66 |
| 07522012 | 12 | 0.398 | 10.1 | 97 |
| 07522018 | 18 | 0.472 | 12.0 | 142 |
| 07522025 | 25 | 0.567 | 14.4 | 191 |
| 07522034 | 34 | 0.638 | 16.2 | 254 |
| 07522050 | 50 | 0.752 | 19.1 | 351 |
| 07522061 | 61 | 0.831 | 21.1 | 440 |
| ▶ 19 AWG (42/34) • 0.75 mm² | | | | |
| 07521902 | 2 | 0.232 | 5.9 | 32 |
| 07521903 | 3 | 0.248 | 6.3 | 38 |
| 07521904 | 4 | 0.268 | 6.8 | 46 |
| 07521905 | 5 | 0.295 | 7.5 | 57 |
| 07521907 | 7 | 0.358 | 9.1 | 82 |
| 07521912 | 12 | 0.433 | 11.0 | 119 |
| 07521918 | 18 | 0.516 | 13.1 | 175 |
| 07521925 | 25 | 0.622 | 15.8 | 238 |
| 07521934 | 34 | 0.705 | 17.9 | 319 |
| 07521950 | 50 | 0.831 | 21.1 | 450 |
| 07521961 | 61 | 0.925 | 23.5 | 558 |
| ▶ 18 AWG (56/34) • 1.00 mm² | | | | |
| 07521802 | 2 | 0.244 | 6.2 | 37 |
| 07521803 | 3 | 0.256 | 6.5 | 44 |
| 07521804 | 4 | 0.283 | 7.2 | 55 |
| 07521805 | 5 | 0.311 | 7.9 | 68 |
| 07521807 | 7 | 0.370 | 9.4 | 95 |

| item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight = lbs/mft |
|------------------------------------------------|--------------------------------|----------------------|------|------------------------|
| ▶ 18 AWG (56/34) • 1.00 mm² | | | | |
| 07521812 | 12 | 0.453 | 11.5 | 142 |
| 07521818 | 18 | 0.539 | 13.7 | 210 |
| 07521825 | 25 | 0.650 | 16.5 | 285 |
| 07521834 | 34 | 0.736 | 18.7 | 382 |
| 07521850 | 50 | 0.886 | 22.5 | 555 |
| 07521861 | 61 | 0.965 | 24.5 | 671 |
| ▶ 16 AWG (84/34) • 1.50 mm² | | | | |
| 07521602 | 2 | 0.268 | 6.8 | 47 |
| 07521603 | 3 | 0.287 | 7.3 | 59 |
| 07521604 | 4 | 0.315 | 8.0 | 73 |
| 07521605 | 5 | 0.346 | 8.8 | 91 |
| 07521607 | 7 | 0.417 | 10.6 | 129 |
| 07521612 | 12 | 0.512 | 13.0 | 194 |
| 07521618 | 18 | 0.606 | 15.4 | 286 |
| 07521625 | 25 | 0.736 | 18.7 | 390 |
| 07521634 | 34 | 0.831 | 21.1 | 522 |
| 07521650 | 50 | 0.988 | 25.1 | 749 |
| 07521661 | 61 | 1.087 | 27.6 | 915 |
| ▶ 14 AWG (140/34) • 2.50 mm² | | | | |
| 07521402 | 2 | 0.350 | 8.9 | 79 |
| 07521403 | 3 | 0.374 | 9.5 | 97 |
| 07521404 | 4 | 0.409 | 10.4 | 120 |
| 07521405 | 5 | 0.457 | 11.6 | 150 |
| 07521407 | 7 | 0.551 | 14.0 | 214 |
| 07521412 | 12 | 0.681 | 17.3 | 323 |
| 07521418 | 18 | 0.815 | 20.7 | 480 |
| 07521425 | 25 | 0.988 | 25.1 | 654 |

| item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight = lbs/mft |
|-------------------------------------------------|--------------------------------|----------------------|------|------------------------|
| ▶ 12 AWG (224/34) • 4.00 mm² | | | | |
| 07521203 | 3 | 0.445 | 11.3 | 150 |
| 07521204 | 4 | 0.488 | 12.4 | 179 |
| 07521205 | 5 | 0.543 | 13.8 | 230 |
| 07521207 | 7 | 0.657 | 16.7 | 331 |
| ▶ 10 AWG (192/32) • 6.00 mm² | | | | |
| 07521003 | 3 | 0.516 | 13.1 | 214 |
| 07521004 | 4 | 0.571 | 14.5 | 256 |
| 07521005 | 5 | 0.638 | 16.2 | 329 |
| 07521007 | 7 | 0.764 | 19.4 | 470 |
| ▶ 8 AWG (320/32) • 10.00 mm² | | | | |
| 07520803 | 3 | 0.638 | 16.2 | 337 |
| 07520804 | 4 | 0.709 | 18.0 | 428 |
| 07520805 | 5 | 0.791 | 20.1 | 529 |
| ▶ 6 AWG (512/32) • 16.00 mm² | | | | |
| 07520603 | 3 | 0.764 | 19.4 | 507 |
| 07520604 | 4 | 0.846 | 21.5 | 641 |
| 07520605 | 5 | 0.949 | 24.1 | 798 |
| ▶ 4 AWG (798/32) • 25.00 mm² | | | | |
| 07520404 | 4 | 1.024 | 26.0 | 935 |
| 07520405 | 5 | 1.142 | 29.0 | 1195 |
| ▶ 2 AWG (1102/32) • 35.00 mm² | | | | |
| 07520204 | 4 | 1.173 | 29.8 | 1284 |
| 07520205 | 5 | 1.295 | 32.9 | 1582 |
| ▶ 1 AWG (703/28) • 50.00 mm² | | | | |
| 07520104 | 4 | 1.374 | 34.9 | 1796 |

Other dimensions and colors are possible on request.

