

CONTINUOUS FLEX CABLES

S 200 Continuous flex halogen free polyurethane control cable with extreme temperature range



Marking for S 200 07740116:
SAB BRÖCKSKES · D-VIERSEN · S 200 1 x 10,0 mm² CE



Marking for S 200 07741215:
SAB BRÖCKSKES · D-VIERSEN · S 200 12 x 1,5 mm² CE

B
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S 200 is a continuous flex multi-conductor cable with a temperature range of -40°C up to +90°C designed for high speed applications even in the most extreme conditions. The halogen free polyurethane jacket passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion.

Construction:

| | |
|--------------------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6 |
| Insulation: | TPE 510 |
| Color code from 2 conductors: | black conductors with consecutive numbers acc. to EN 50334; |
| conductors: | green-yellow earth wire from 3 conductors |
| Stranding: | specially adjusted layering with non-woven tape over each layer |
| Wrapping: | non-woven tape |
| Jacket material: | PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface |
| Jacket color: | gray |

Outstanding features:

- **labs uncritical**
(labs = enamel moisturing interfering substances)
- **flexible at low temperatures**
- **halogen-free**
- **travel > 10 m is possible**
- **high abrasion resistance**
- **min. bending radius**
- **small outer diameter**

Technical data:

| | |
|--|---|
| Nominal voltage: | U ₀ /U 300/500 V |
| Testing voltage U: | 2000 V acc. to DIN VDE 0281 part 2 + HD 21.2 |
| Min. bending radius continuous flexing: | 7.5 x O.D. |
| Radiation resistance: | 5 x 10 ⁷ cJ/kg |
| Temperature range static: | -50/+90 °C |
| flexing: | -40/+90 °C |
| Zero halogen: | acc. to DIN VDE 0472 part 815 and IEC 60754-1 |
| Oil resistance: | very good - TPU acc. to DIN VDE 0282 part 10 + HD 22.10 |
| Chem. resistance: | good against acids, alkalines, solvents, hydraulic liquids etc. |
| Continuous flexibility: | very good |
| Weather resistance: | very good |
| 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 | item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight ≈ lbs/mft | item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight ≈ lbs/mft |
|---|--------------------------------|----------------------|------|------------------------|---|--------------------------------|----------------------|------|------------------------|---|--------------------------------|----------------------|------|------------------------|
| ▶ 20 AWG (≈ 28/34) • 0.50 mm² | | | | | ▶ 19 AWG (≈ 42/34) • 0.75 mm² | | | | | ▶ 16 AWG (≈ 84/34) • 1.50 mm² | | | | |
| 07740205 | 2 | 0.193 | 4.9 | 18 | 07741207 | 12 | 0.378 | 9.6 | 92 | 07740115 | 1 | 0.157 | 4.0 | 17 |
| 07740305 | 3 | 0.201 | 5.1 | 23 | 07741807 | 18 | 0.445 | 11.3 | 135 | 07740215 | 2 | 0.252 | 6.4 | 37 |
| 07740405 | 4 | 0.217 | 5.5 | 28 | 07742507 | 25 | 0.547 | 13.9 | 186 | 07740315 | 3 | 0.264 | 6.7 | 49 |
| 07740505 | 5 | 0.236 | 6.0 | 34 | 07743607 | 36 | 0.606 | 15.4 | 257 | 07740415 | 4 | 0.287 | 7.3 | 61 |
| 07740705 | 7 | 0.272 | 6.9 | 45 | 07745007 | 50 | 0.724 | 18.4 | 353 | 07740515 | 5 | 0.315 | 8.0 | 75 |
| 07741205 | 12 | 0.327 | 8.3 | 66 | 07746507 | 65 | 0.819 | 20.8 | 459 | 07740715 | 7 | 0.378 | 9.6 | 106 |
| 07741805 | 18 | 0.390 | 9.9 | 97 | ▶ 18 AWG (≈ 56/34) • 1.00 mm² | | | | | 07741215 | 12 | 0.469 | 11.9 | 163 |
| 07742505 | 25 | 0.469 | 11.9 | 132 | 07740210 | 2 | 0.228 | 5.8 | 29 | 07741815 | 18 | 0.559 | 14.2 | 245 |
| 07743605 | 36 | 0.539 | 13.7 | 188 | 07740310 | 3 | 0.240 | 6.1 | 37 | 07742515 | 25 | 0.673 | 17.1 | 331 |
| 07745005 | 50 | 0.634 | 16.1 | 255 | 07740410 | 4 | 0.260 | 6.6 | 45 | 07743615 | 36 | 0.756 | 19.2 | 467 |
| 07746505 | 65 | 0.717 | 18.2 | 331 | 07740510 | 5 | 0.283 | 7.2 | 56 | 07745015 | 50 | 0.906 | 23.0 | 642 |
| ▶ 19 AWG (≈ 42/34) • 0.75 mm² | | | | | 07740710 | 7 | 0.331 | 8.4 | 77 | 07746515 | 65 | 1.024 | 26.0 | 834 |
| 07740207 | 2 | 0.213 | 5.4 | 24 | 07741210 | 12 | 0.409 | 10.4 | 116 | Continued on next page | | | | |
| 07740307 | 3 | 0.224 | 5.7 | 30 | 07741810 | 18 | 0.484 | 12.3 | 172 | | | | | |
| 07740407 | 4 | 0.240 | 6.1 | 36 | 07742510 | 25 | 0.594 | 15.1 | 237 | | | | | |
| 07740507 | 5 | 0.264 | 6.7 | 44 | 07743610 | 36 | 0.669 | 17.0 | 334 | | | | | |
| 07740707 | 7 | 0.303 | 7.7 | 60 | 07745010 | 50 | 0.795 | 20.2 | 458 | | | | | |
| | | | | | 07746510 | 65 | 0.902 | 22.9 | 595 | | | | | |

E-mail: info@sabcable.com

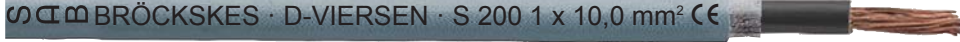


Web site: www.sabcable.com

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S 200 Continuous flex halogen free polyurethane control cable with extreme temperature range



Marking for S 200 07740116:
SAB BRÖCKSKES · D-VIERSEN · S 200 1 x 10,0 mm² CE



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48

Marking for S 200 07741215:
SAB BRÖCKSKES · D-VIERSEN · S 200 12 x 1,5 mm² CE

S 200 is a continuous flex multi-conductor cable with a temperature range of -40°C up to +90°C designed for high speed applications even in the most extreme conditions. The halogen free polyurethane jacket passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion.

Construction:

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| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6 |
| Insulation: | TPE 510 |
| Color code from 2 conductors: | black conductors with consecutive numbers acc. to EN 50334; |
| conductors: | green-yellow earth wire from 3 conductors |
| Stranding: | specially adjusted layering with non-woven tape over each layer |
| Wrapping: | non-woven tape |
| Jacket material: | PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface |
| Jacket color: | gray |

Outstanding features:

- **labs uncritical**
(labs = enamel moisturing interfering substances)
- **flexible at low temperatures**
- **halogen-free**
- **travel > 10 m is possible**
- **high abrasion resistance**
- **min. bending radius**
- **small outer diameter**

Technical data:

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|--|---|
| Nominal voltage: | Uo/U 300/500 V |
| Testing voltage U: | 2000 V acc. to DIN VDE 0281 part 2 + HD 21.2 |
| Min. bending radius continuous flexing: | 7.5 x O.D. |
| Radiation resistance: | 5 x 10 ⁷ cJ/kg |
| Temperature range static: | -50/+90 °C |
| flexing: | -40/+90 °C |
| Zero halogen: | acc. to DIN VDE 0472 part 815 and IEC 60754-1 |
| Oil resistance: | very good - TPU acc. to DIN VDE 0282 part 10 + HD 22.10 |
| Chem. resistance: | good against acids, alkalines, solvents, hydraulic liquids etc. |
| Continuous flexibility: | very good |
| Weather resistance: | very good |
| 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 |
|---------------------------------------|--------------------------------|----------------------|------|------------------------|
| ▶ 14 AWG (≈ 140/34) • 2.50 mm² | | | | |
| 07740125 | 1 | 0.181 | 4.6 | 25 |
| 07740225 | 2 | 0.315 | 8.0 | 58 |
| 07740325 | 3 | 0.335 | 8.5 | 78 |
| 07740425 | 4 | 0.370 | 9.4 | 99 |
| 07740525 | 5 | 0.409 | 10.4 | 122 |
| 07740725 | 7 | 0.488 | 12.4 | 171 |
| 07741225 | 12 | 0.622 | 15.8 | 272 |
| 07741825 | 18 | 0.732 | 18.6 | 401 |
| 07742525 | 25 | 0.894 | 22.7 | 547 |
| 07743625 | 36 | 1.004 | 25.5 | 770 |
| ▶ 12 AWG (≈ 224/34) • 4.00 mm² | | | | |
| 07740140 | 1 | 0.213 | 5.4 | 36 |
| 07740240 | 2 | 0.366 | 9.3 | 85 |
| 07740340 | 3 | 0.386 | 9.8 | 114 |
| 07740440 | 4 | 0.425 | 10.8 | 141 |
| 07740540 | 5 | 0.476 | 12.1 | 183 |
| 07740740 | 7 | 0.575 | 14.6 | 261 |
| ▶ 10 AWG (≈ 186/32) • 6.00 mm² | | | | |
| 07740160 | 1 | 0.240 | 6.1 | 51 |
| 07740260 | 2 | 0.425 | 10.8 | 123 |

| item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight ≈ lbs/mft |
|---------------------------------------|--------------------------------|----------------------|------|------------------------|
| ▶ 10 AWG (≈ 186/32) • 6.00 mm² | | | | |
| 07740360 | 3 | 0.461 | 11.7 | 165 |
| 07740460 | 4 | 0.504 | 12.8 | 208 |
| 07740560 | 5 | 0.571 | 14.5 | 269 |
| 07740760 | 7 | 0.681 | 17.3 | 377 |
| ▶ 8 AWG (≈ 320/32) • 10.00 mm² | | | | |
| 07740161 | 1 | 0.280 | 7.1 | 79 |
| 07740361 | 3 | 0.571 | 14.5 | 274 |
| 07740461 | 4 | 0.622 | 15.8 | 340 |
| 07740561 | 5 | 0.677 | 17.2 | 421 |
| ▶ 6 AWG (≈ 504/32) • 16.00 mm² | | | | |
| 07740162 | 1 | 0.827 | 8.3 | 119 |
| 07740362 | 3 | 0.677 | 17.2 | 406 |
| 07740462 | 4 | 0.748 | 19.0 | 524 |
| 07740562 | 5 | 0.835 | 21.2 | 657 |
| ▶ 4 AWG (≈ 760/32) • 25.00 mm² | | | | |
| 07740163 | 1 | 0.390 | 9.9 | 181 |
| 07740363 | 3 | 0.811 | 20.6 | 618 |
| 07740463 | 4 | 0.898 | 22.8 | 794 |
| 07740563 | 5 | 1.000 | 25.4 | 998 |

| item no. | no. of conductors incl. ground | nominal outer-ø inch | mm | cable weight ≈ lbs/mft |
|---|--------------------------------|----------------------|------|------------------------|
| ▶ 2 AWG (≈ 1083/32) • 35.00 mm² | | | | |
| 07740164 | 1 | 0.453 | 11.5 | 243 |
| 07740464 | 4 | 1.039 | 26.4 | 1074 |
| 07740564 | 5 | 1.157 | 29.4 | 1351 |
| ▶ 1 AWG (≈ 703/28) • 50.00 mm² | | | | |
| 07740165 | 1 | 0.551 | 14.0 | 357 |
| 07740465 | 4 | 1.252 | 31.8 | 1518 |
| ▶ 2/0 AWG (≈ 988/2) • 70.00 mm² | | | | |
| 07740166 | 1 | 0.657 | 16.7 | 500 |
| ▶ 3/0 AWG (≈ 1340/28) • 95.00 mm² | | | | |
| 07740167 | 1 | 0.807 | 20.5 | 685 |
| ▶ 4/0 AWG (≈ 1680/28) • 120.00 mm² | | | | |
| 07740168 | 1 | 0.846 | 21.5 | 836 |
| ▶ 250 MCM (≈ 2122/28) • 150.00 mm² | | | | |
| 07740169 | 1 | 0.969 | 24.6 | 1064 |
| ▶ 350 MCM (≈ 1472/26) • 185.00 mm² | | | | |
| 07740170 | 1 | 1.021 | 26.7 | 1290 |
| ▶ 450 MCM (≈ 1910/26) • 240.00 mm² | | | | |
| 07740171 | 1 | 1.185 | 30.1 | 1652 |

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com