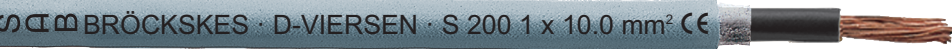


CONTINUOUS FLEX CABLES



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



Marking for S 200 07740116:
SAB BRÖCKSKES · D-VIERSEN · S 200 1 G 10.0 mm² CE



Marking for S 200 07741215:
SAB BRÖCKSKES · D-VIERSEN · S 200 12 G 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 in the most extreme conditions. The halogen-free TPE outer 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 |
| Color code from 2 conductors: | black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors |
| Stranding: | specially adjusted layering with non-woven tape over each layer |
| Wrapping: | non-woven tape |
| Jacket material: | TPE outer jacket |
| Jacket color: | gray |

Outstanding features:

- free from paint wetting disruptive substances (LABS - free)
- flexible at low temperatures
- halogen-free
- travel > 10 m is possible
- high abrasion resistance
- minimal bending radius
- small outer diameter

Technical data:

| | |
|--|---|
| 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 acc. to DIN VDE 0282 part 10 + HD 22.10 |
| Chemical 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 O/29 |

| 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 |
|---|--------------------------------|----------------------|--------------------|------------------------|---|--------------------------------|----------------------|--------------------|------------------------|---|--------------------------------|----------------------|--------------------|------------------------|
| ▶ 20 AWG (≈ 28/34) • 0.50 mm ² | | | | | ▶ 19 AWG (≈ 42/34) • 0.75 mm ² | | | | | ▶ 16 AWG (≈ 84/34) • 1.50 mm ² | | | | |
| 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 mm ² | | | | | 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 mm ² | | | | | 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 | | | | | |

CONTINUOUS FLEX CABLES

S 200 Continuous flex halogen-free TPE 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 G 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 in the most extreme conditions. The halogen-free TPE outer 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 |
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| Stranding: | specially adjusted layering with non-woven tape over each layer |
| Wrapping: | non-woven tape |
| Jacket material: | TPE outer jacket |
| Jacket color: | gray |

Outstanding features:

- free from paint wetting disruptive substances (LABS - free)
- flexible at low temperatures
- halogen-free
- travel > 10 m is possible
- high abrasion resistance
- minimal bending radius
- small outer diameter

Technical data:

| | |
|--|---|
| 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 acc. to DIN VDE 0282 part 10 + HD 22.10 |
| Chemical 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 O/29 |

| 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 (≈ 988/28) • 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.