

CC 500 B PVC connection cable with coloured cores

SAB BRÖCKSKES · D-VIERSEN · Ö-J CC 500 B 5 x 1,0 mm² CE



Marking for CC 500 B (Ö-J) 02050510:

SAB BRÖCKSKES · D-VIERSEN · Ö-J CC 500 B 5 x 1,0 mm² CE

Construction:

| | |
|-------------------------|---|
| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 |
| Insulation: | PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1 |
| Colour code: | coloured acc. to HD 308 (VDE 0293 part 308); green-yellow earth wire from 3 cores |
| Stranding: | in layers |
| Sheath material: | PVC, TM2 a cc. to DIN VDE 0281 part 1+ HD 21.1 |
| Sheath colour: | grey (RAL 7000) |

Outstanding features:

- flexible
- coloured cores
- small bending radius
- EAC approval

Technical data:

| | |
|---------------------------------------|--|
| Nominal voltage: | 0,50 mm ² - 1,50 mm ² : U ₀ /U 300/500 V 2,50 mm ² - 50,0 mm ² : U ₀ /U 450/750 V |
| Testing voltage U: | 3000 V acc. to DIN VDE 0281 part 2 + HD 21.2 |
| Min. bending radius | |
| <i>fixed laying:</i> | 4 x d |
| <i>flexible application:</i> | 6 x d |
| Radiation resistance: | 8 x 10 ⁷ cJ/kg |
| Temperature range | |
| <i>fixed laying:</i> | -40/+70 °C |
| <i>flexible application:</i> | +5/+70 °C |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 |
| Oil resistance: | acc. to internal standard, see page N/15 |
| Chem. resistance: | see page N/11 |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page N/17 |

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 02050205 | 2 x 0,50 | 0,21 | 4,8 | 9,6 | 33 |
| 02050305 | 3 x 0,50 | 0,21 | 5,1 | 14,4 | 40 |
| 02050405 | 4 x 0,50 | 0,21 | 5,5 | 19,2 | 47 |
| 02050505 | 5 x 0,50 | 0,21 | 6,2 | 24,0 | 61 |
| 02050705 | 7 x 0,50 | 0,21 | 6,7 | 33,6 | 74 |
| 02050207 | 2 x 0,75 | 0,21 | 5,6 | 14,4 | 46 |
| 02050307 | 3 x 0,75 | 0,21 | 5,7 | 21,6 | 52 |
| 02050407 | 4 x 0,75 | 0,21 | 6,2 | 28,8 | 64 |
| 02050507 | 5 x 0,75 | 0,21 | 6,7 | 36,0 | 78 |
| 02050707 | 7 x 0,75 | 0,21 | 7,5 | 50,4 | 100 |
| 02050210 | 2 x 1,00 | 0,21 | 5,5 | 19,2 | 48 |
| 02050310 | 3 x 1,00 | 0,21 | 6,1 | 28,8 | 63 |
| 02050410 | 4 x 1,00 | 0,21 | 6,5 | 38,4 | 75 |
| 02050510 | 5 x 1,00 | 0,21 | 7,1 | 48,0 | 92 |
| 02050710 | 7 x 1,00 | 0,21 | 8,0 | 67,2 | 120 |
| 02050215 | 2 x 1,50 | 0,26 | 6,2 | 28,8 | 64 |
| 02050315 | 3 x 1,50 | 0,26 | 6,5 | 43,2 | 79 |
| 02050415 | 4 x 1,50 | 0,26 | 7,6 | 57,6 | 103 |
| 02050515 | 5 x 1,50 | 0,26 | 8,0 | 72,0 | 121 |
| 02050715 | 7 x 1,50 | 0,26 | 8,9 | 100,8 | 160 |

| item no. | no. of cores x cross section n x mm ² | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 02050225 | 2 x 2,50 | 0,26 | 8,8 | 48,0 | 121 |
| 02050325 | 3 x 2,50 | 0,26 | 9,5 | 72,0 | 151 |
| 02050425 | 4 x 2,50 | 0,26 | 10,6 | 96,0 | 190 |
| 02050525 | 5 x 2,50 | 0,26 | 11,6 | 120,0 | 232 |
| 02050725 | 7 x 2,50 | 0,26 | 12,8 | 168,0 | 297 |
| 02050340 | 3 x 4,00 | 0,31 | 10,8 | 115,2 | 213 |
| 02050440 | 4 x 4,00 | 0,31 | 12,0 | 153,6 | 267 |
| 02050540 | 5 x 4,00 | 0,31 | 13,1 | 192,0 | 327 |
| 02050360 | 3 x 6,00 | 0,31 | 12,7 | 172,8 | 303 |
| 02050460 | 4 x 6,00 | 0,31 | 14,1 | 230,4 | 381 |
| 02050560 | 5 x 6,00 | 0,31 | 15,7 | 288,0 | 466 |
| 02050760 | 7 x 6,00 | 0,31 | 17,3 | 403,2 | 613 |
| 02050361 | 3 x 10,0 | 0,41 | 15,8 | 288,0 | 492 |
| 02050461 | 4 x 10,0 | 0,41 | 17,8 | 384,0 | 627 |
| 02050561 | 5 x 10,0 | 0,41 | 19,7 | 480,0 | 783 |
| 02050462 | 4 x 16,0 | 0,41 | 21,1 | 614,4 | 935 |
| 02050463 | 4 x 25,0 | 0,41 | 25,5 | 960,0 | 1456 |
| 02050464 | 4 x 35,0 | 0,41 | 28,8 | 1344,0 | 1978 |
| 02050465 | 4 x 50,0 | 0,41 | 34,6 | 1920,0 | 2769 |

Other dimensions and colours are possible on request.