

FLEXIBLE CONTROL CABLES

also available with blue and red conductors and black or orange jacket

CC 540 P Halogen free oil resistant control cable with colored conductors



Marking for CC 540 P 52690415:
SAB BRÖCKSKES · D-VIERSEN · CC 540 P 450/750V 4 G 1,5 mm² CE

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CC 540 P is a multi-conductor, flexible power supply cable with a rugged, abrasion resistant polyurethane jacket. The polyurethane jacket allows this cable to be used both indoors and outdoors, in wet, dry, cold or hot conditions. The cable is flame retardant and is colored safety yellow. Recommended applications include power supply for portable hand tools and appliances.

Construction:

| | |
|-------------------------|---|
| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 |
| Insulation: | SABIX® 231 |
| Color code: | colored acc. to HD 308 (VDE 0293 part 308); green-yellow earth wire from 3 conductors |
| Stranding: | in layers |
| Jacket material: | PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 21.1 |
| Jacket color: | yellow |

Outstanding features:

- oil resistant
- abrasion resistant
- notch resistant
- good chemical resistance

Technical data:

| | |
|--|---|
| Nominal voltage: | Uo/U 300/500 V from 19 AWG - 18 AWG Uo/U 450/750 V from 18 AWG - 6 AWG |
| Testing voltage U: | 3000 V acc. to DIN VDE 0281 part 2 + HD 21.2 |
| 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: | 5 x 10 ⁷ cJ/kg |
| Temperature range <i>static:</i> | -40/+90 °C |
| <i>flexing:</i> | -30/+90 °C |
| Zero halogen: | acc. to DIN VDE 0472 part 815 and IEC 60754-1 |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 |
| Corrosivity: | in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0472 part 267-2-2 - no development of corrosive conflagration gases |
| Oil resistance: | very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 |
| Chem. resistance: | good against acids, alkalines, solvents, hydraulic liquids etc. |
| Flexibility: | very good |
| Weather resistance: | good |
| Absence of harmful substances: | acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25 |

300/500 V

| item no. | no. of conductors incl. ground | nominal inch | outer-ø mm | cable weight ≈ lbs/mft |
|---|--------------------------------|--------------|------------|------------------------|
| ▶ 19 AWG (23/32) • 0.75 mm² | | | | |
| 52690207 | 2 | 0.244 | 6.2 | 32 |
| 52690307 | 3 | 0.264 | 6.7 | 41 |
| 52690407 | 4 | 0.287 | 7.3 | 50 |
| 52690507 | 5 | 0.323 | 8.2 | 64 |
| ▶ 18 AWG (30/32) • 1.00 mm² | | | | |
| 52690211 | 2 | 0.264 | 6.7 | 39 |
| 52690311 | 3 | 0.280 | 7.1 | 48 |
| 52690411 | 4 | 0.303 | 7.7 | 58 |
| 52690511 | 5 | 0.339 | 8.6 | 74 |

450/750 V

| item no. | no. of conductors incl. ground | nominal inch | outer-ø mm | cable weight ≈ lbs/mft |
|--|--------------------------------|--------------|------------|------------------------|
| ▶ 18 AWG (30/32) • 1.00 mm² | | | | |
| 52690210 | 2 | 0.295 | 7.5 | 46 |
| 52690310 | 3 | 0.311 | 7.9 | 56 |
| 52690410 | 4 | 0.346 | 8.8 | 71 |
| 52690510 | 5 | 0.390 | 9.9 | 91 |
| ▶ 16 AWG (27-29/30) • 1.50 mm² | | | | |
| 52690215 | 2 | 0.327 | 8.3 | 58 |
| 52690315 | 3 | 0.346 | 8.8 | 71 |
| 52690415 | 4 | 0.386 | 9.8 | 90 |
| 52690515 | 5 | 0.421 | 10.7 | 112 |
| ▶ 14 AWG (46/30) • 2.50 mm² | | | | |
| 52690225 | 2 | 0.386 | 9.8 | 85 |
| 52690325 | 3 | 0.409 | 10.4 | 106 |
| 52690425 | 4 | 0.453 | 11.5 | 133 |
| 52690525 | 5 | 0.508 | 12.9 | 169 |
| ▶ 12 AWG (52/28) • 4.00 mm² | | | | |
| 52690240 | 2 | 0.449 | 11.4 | 122 |
| 52690340 | 3 | 0.476 | 12.1 | 154 |
| 52690440 | 4 | 0.528 | 13.4 | 194 |
| 52690540 | 5 | 0.591 | 15.0 | 245 |

450/750 V

| item no. | no. of conductors incl. ground | nominal inch | outer-ø mm | cable weight ≈ lbs/mft |
|--|--------------------------------|--------------|------------|------------------------|
| ▶ 10 AWG (78/28) • 6.00 mm² | | | | |
| 52690260 | 2 | 0.504 | 12.8 | 163 |
| 52690360 | 3 | 0.543 | 13.8 | 210 |
| 52690460 | 4 | 0.598 | 15.2 | 264 |
| 52690560 | 5 | 0.669 | 17.0 | 333 |
| ▶ 8 AWG (77/26) • 10.00 mm² | | | | |
| 52690261 | 2 | 0.673 | 17.1 | 288 |
| 52690361 | 3 | 0.720 | 18.3 | 367 |
| 52690461 | 4 | 0.791 | 20.1 | 460 |
| 52690561 | 5 | 0.878 | 22.3 | 575 |
| ▶ 6 AWG (119/26) • 16.00 mm² | | | | |
| 52690262 | 2 | 0.780 | 19.8 | 409 |
| 52690362 | 3 | 0.843 | 21.4 | 532 |
| 52690462 | 4 | 0.917 | 23.3 | 664 |
| 52690562 | 5 | 1.028 | 26.1 | 839 |

Other dimensions and colors are possible on request.