

also available
with green-yellow
insulation and
gray jacket

CONTINUOUS FLEX CABLES



S 910 CP Continuous flex oil and abrasion resistant shielded power supply cable for small bend radius applications

156 80°C 600V CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE




Marking for S 910 CP 37692362:

SAB BRÖCKSKES · D-VIERSEN · 37692362 16,0 mm² S 910 CP 6 AWG 37690601  AWM Style 10456 80°C 600V CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

S 910 CP is an ultra flexible 600 V, UL approved cable designed for power applications. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The design incorporates the IEC 60228 class 6 super fine wire stranding which provides excellent flexibility. The specially blended PUR jacket is abrasion resistant and passes the stringent VDE test 0282 part 10 and HD 22.10 oil test. Recommended applications are power supply cables for spindle motor, cable handling systems requiring power cable, and interconnect wire from power supply to the machine in harsh environment.

B
10

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6 |
| Insulation: | TPE 510 |
| Wrapping: | non-woven tape |
| Screen: | tinned copper braiding |
| Wrapping: | non-woven tape |
| Jacket material: | TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface |
| Jacket color: | orange |

Outstanding features:

- highly flexible single conductor for use in cable tracks
- good chemical resistance
- high abrasion resistance

Technical data:

| | | |
|--|--|----------------------------|
| Nominal voltage: | DIN VDE: U ₀ /U 0.6/1 kV | |
| Voltage: | UL: 600 V | CSA: 1000 V |
| Min. bending radius <i>continuous flexing:</i> | 7.5 x O.D. | |
| Radiation resistance: | 5 x 10 ⁷ cJ/kg | |
| Temperature range <i>static:</i> | DIN VDE | UL/CSA: up to +80°C |
| <i>flexing:</i> | -50/+90°C -40/+90°C | |
| Burning characteristics: | flame retardant and self-extinguishing acc. to UL + CSA FT1 and FT2 | |
| Oil resistance: | very good - PUR TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 | |
| Chem. resistance: | good against acids, alkalines, solvents, hydraulic liquids etc. | |
| Continuous flexibility: | very good | |
| Absence of harmful substances: | acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25 | |

Color of insulation: ➤ **black**

| item no. | no. of conductors x cross section n x mm ² | AWG/ MCM | outer-Ø ± 5% inch | outer-Ø ± 5% mm | cable weight ≈ lbs/mft |
|----------|---|-------------|-------------------------|-----------------------|------------------------------|
| 37692340 | 1 x 4.00 | 12 | 0.280 | 7.1 | 56 |
| 37692360 | 1 x 6.00 | 10 | 0.315 | 8.0 | 75 |
| 37692361 | 1 x 10.00 | 8 | 0.350 | 8.9 | 106 |
| 37692362 | 1 x 16.00 | 6 | 0.406 | 10.3 | 153 |
| 37692363 | 1 x 25.00 | 4 | 0.461 | 11.7 | 225 |
| 37692364 | 1 x 35.00 | 2 | 0.524 | 13.3 | 292 |
| 37692365 | 1 x 50.00 | 1 | 0.622 | 15.8 | 424 |
| 37692366 | 1 x 70.00 | 2/0 | 0.705 | 17.9 | 564 |
| 37692367 | 1 x 95.00 | 3/0 | 0.902 | 22.9 | 802 |
| 37692368 | 1 x 120.00 | 4/0 | 0.941 | 23.9 | 955 |
| 37692369 | 1 x 150.00 | 250 MCM | 1.047 | 26.6 | 1191 |

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com