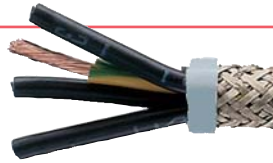


FLEXIBLE CONTROL CABLES



CC 600 MTW CY Type MTW Oil resistant 90°C flexible shielded control cable and machine-tool cable



s90°C Oil 60°C 600V CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

Marking for CC 600 MTW CY 35601404: SAB BRÖCKSKES · D-VIERSEN · 4 x 2,50 mm²

CC 600 MTW CY 14 AWG/4c 35601404 (UL) Type MTW 600V AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

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CC 600 MTW CY is a multi-conductor, 600 V, 90°C, UL recognized, CSA and VDE approved, oil resistant flexible shielded control cable. Also machine-tool cable for use as specified in the National Electrical Code (NFPA 70) and in the National Fire Protection Association Electrical Standard for Industrial Machinery (NFPA 79). The reduced outer diameter permits easy handling and installation in confined areas. Our special designed PVC jacket passes the stringent requirements of the VDE test 0281 part 1 and HD 21.1 oil test providing the best oil resistance available for a PVC jacket. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 MTW CY control cables are designed for use in all electrical equipment in dry, damp and wet conditions. Recommended applications are machine tools, control systems, assembly lines, CNC machining centers, grinding machines, bottling equipment, data processing equipment and connections between control panels and machines. MTW listed cables can be used in NFPA 79 Machine areas.

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228 class 5 and UL standard 758 table 5.1 + UL 1581 table 20.1 |
| Insulation: | special formulated PVC/Nylon |
| Color code: | black conductors with consecutive numbers; green-yellow earth wire from 3 conductors |
| Stranding: | in layers |
| Wrapping: | non-woven tapes |
| Screen: | tinned copper braiding |
| Sheath material: | special oil resistant PVC |
| Sheath color: | gray |

Technical data:

| | |
|---------------------------------------|--|
| Voltage: | UL-AWM / (UL): 600 V CSA: 1000 V |
| Testing voltage: | conductor/conductor 4000 V conductor/screen 2000 V |
| Min. bending radius | |
| <i>fixed installation:</i> | 5 x O.D. |
| <i>free movement:</i> | 10 x O.D. |
| Radiation resistance: | 8 x 10 ⁷ cJ/kg |
| Temperature range: | (UL) / CSA: -25/+90°C |
| <i>storage ambient:</i> | -40/+90°C |
| Burning characteristics: | CSA FT1 and FT2 |
| Oil resistance: | very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1, Oil 60°C acc. to UL 758, Fuel Oil acc. to CSA-C 22.2 No. 210-05 |
| Impact and Crushing test: | in accordance to UL 1277 same requirement for Exposed Run |
| Machinery Area: | yes |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page N/28 |

Outstanding features:

- ▶ **UL recognized, CSA approved and (UL) listed**
- ▶ **flexible cable for use as machine-tool cable**
- ▶ **oil resistant**
- ▶ **NFPA 79 for Industrial Machinery**

| 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 |
|--|--------------------------------|----------------------|--------------------|------------------------|--|--------------------------------|----------------------|--------------------|------------------------|--|--------------------------------|----------------------|--------------------|------------------------|
| ▶ 18 AWG (≈ 30/32) • 1.00 mm² | | | | | ▶ 16 AWG (≈ 27-29/30) • 1.50 mm² | | | | | ▶ 12 AWG (≈ 52/28) • 4.00 mm² | | | | |
| 35601803 | 3 | 0.303 | 7.7 | 56 | 35601612 | 12 | 0.571 | 14.5 | 210 | 35601203 | 3 | 0.413 | 10.5 | 130 |
| 35601804 | 4 | 0.327 | 8.3 | 67 | 35601616 | 16 | 0.630 | 16.0 | 267 | 35601204 | 4 | 0.449 | 11.4 | 160 |
| 35601805 | 5 | 0.354 | 9.0 | 79 | 35601618 | 18 | 0.661 | 16.8 | 295 | 35601205 | 5 | 0.492 | 12.5 | 194 |
| 35601807 | 7 | 0.386 | 9.8 | 98 | 35601619 | 19 | 0.661 | 16.8 | 304 | 35601207 | 7 | 0.567 | 14.4 | 265 |
| 35601809 | 9 | 0.469 | 11.9 | 130 | 35601625 | 25 | 0.783 | 19.9 | 390 | ▶ 10 AWG (≈ 78/28) • 6.00 mm² | | | | |
| 35601812 | 12 | 0.492 | 12.5 | 153 | 35601627 | 27 | 0.783 | 19.9 | 414 | 35601003 | 3 | 0.488 | 12.4 | 188 |
| 35601816 | 16 | 0.575 | 14.6 | 208 | 35601637 | 37 | 0.917 | 23.3 | 579 | 35601004 | 4 | 0.559 | 14.2 | 246 |
| 35601818 | 18 | 0.602 | 15.3 | 224 | 35601641 | 41 | 0.984 | 25.0 | 643 | 35601005 | 5 | 0.614 | 15.6 | 298 |
| 35601819 | 19 | 0.602 | 15.3 | 237 | 35601650 | 50 | 1.067 | 27.1 | 757 | 35601007 | 7 | 0.669 | 17.0 | 385 |
| 35601825 | 25 | 0.713 | 18.1 | 302 | 35601661 | 61 | 1.134 | 28.8 | 898 | ▶ 8 AWG (≈ 77/26) • 10.00 mm² | | | | |
| 35601827 | 27 | 0.713 | 18.1 | 314 | ▶ 14 AWG (≈ 46/30) • 2.50 mm² | | | | | 35600804 | 4 | 0.713 | 18.1 | 401 |
| 35601837 | 37 | 0.791 | 20.1 | 417 | 35601403 | 3 | 0.362 | 9.2 | 93 | 35600805 | 5 | 0.783 | 19.9 | 481 |
| 35601850 | 50 | 0.969 | 24.6 | 583 | 35601404 | 4 | 0.394 | 10.0 | 113 | ▶ 6 AWG (≈ 122/26) • 16.00 mm² | | | | |
| ▶ 16 AWG (≈ 27-29/30) • 1.50 mm² | | | | | 35601405 | 5 | 0.429 | 10.9 | 136 | 35600604 | 4 | 0.898 | 22.8 | 610 |
| 35601603 | 3 | 0.327 | 8.3 | 69 | 35601407 | 7 | 0.469 | 11.9 | 173 | 35600605 | 5 | 0.988 | 25.1 | 739 |
| 35601604 | 4 | 0.354 | 9.0 | 83 | 35601409 | 9 | 0.606 | 15.4 | 243 | ▶ 4 AWG (≈ 190/26) • 25.00 mm² | | | | |
| 35601605 | 5 | 0.386 | 9.8 | 99 | 35601412 | 12 | 0.634 | 16.1 | 292 | 35600404 | 4 | 1.079 | 27.4 | 915 |
| 35601607 | 7 | 0.421 | 10.7 | 125 | 35601418 | 18 | 0.740 | 18.8 | 412 | 35600405 | 5 | 1.193 | 30.3 | 1113 |
| 35601608 | 8 | 0.484 | 12.3 | 149 | 35601425 | 25 | 0.925 | 23.5 | 590 | ▶ 2 AWG (≈ 272/26) • 35.00 mm² | | | | |
| 35601609 | 9 | 0.516 | 13.1 | 167 | | | | | | 35600204 | 4 | 1.240 | 31.5 | 1296 |
| | | | | | | | | | | 35600205 | 5 | 1.374 | 34.9 | 1575 |

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com