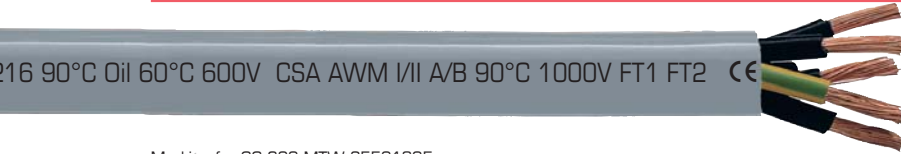


## CC 600 MTW Type MTW PVC control cable and Machine-Tool Cable with numbered cores



Marking for CC 600 MTW 35501805:

SAB BRÖCKSKES · D-VIERSEN · 5 x 1,0 mm<sup>2</sup> CC 600 MTW 18 AWG/5c 35501805

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

### Construction:

|                         |   |
|-------------------------|---|
| <b>Conductor:</b>       | bare copper strands acc. to IEC 60228 classe 5 + UL standard 758 Tabelle 5.1 + UL 1581 Tabelle 20.1 |
| <b>Insulation:</b>      | special formulated PVC/Nylon  |
| <b>Colour code:</b>     | black cores with consecutive numbers<br>green-yellow earth wire from 3 cores                        |
| <b>Stranding:</b>       | in layers   |
| <b>Sheath material:</b> | special oil resistant PVC   |
| <b>Sheath colour:</b>   | grey (RAL 7000)   |

### Outstanding features:

- UL recognized, CSA approved and (UL) listed
- Flexible cable for cable tray use
- oil resistant
- NFPA 79 for industrial machinery
- EAC approval

### Technical data:

|                                       |   |                      |
|---------------------------------------|---|----------------------|
| <b>Voltage:</b>                       | <b>UL-AWM / (UL)</b><br>600 V   | <b>CSA</b><br>1000 V |
| <b>Testing voltage U:</b>             | 4000 V  |                      |
| <b>Min. bending radius</b>            |   |                      |
| <i>fixed laying:</i>                  | 4 x d   |                      |
| <i>flexible application:</i>          | 6 x d   |                      |
| <b>Radiation resistance:</b>          | 8 x 10 <sup>7</sup> cJ/kg   |                      |
| <b>Temperature range</b>              | <b>(UL) / CSA</b> -25/+90 °C  |                      |
| <i>storage ambient:</i>               | -40/+90°C   |                      |
| <b>Fire performance:</b>              | CSA FT1 + FT2   |                      |
| <b>Oil resistance:</b>                | 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 |                      |
| <b>Impact and Crushing test:</b>      | acc. to UL 1277   |                      |
| <b>Machinery Area:</b>                | yes   |                      |
| <b>Absence of harmful substances:</b> | acc. to RoHS directive of the European Union see page N/17  |                      |

| item no. | no. of cores<br>x cross section<br>n x AWG | largest<br>single wire<br>ø mm | outer-ø<br>± 5%<br>mm | copper<br>figure<br>kg/km | cable<br>weight<br>≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 35501803 | 3 x 18                                     | 0,21                           | 7,7                   | 28,8                      | 86                         |
| 35501804 | 4 x 18                                     | 0,21                           | 8,3                   | 38,4                      | 103                        |
| 35501805 | 5 x 18                                     | 0,21                           | 9,1                   | 48,0                      | 123                        |
| 35501807 | 7 x 18                                     | 0,21                           | 9,8                   | 67,2                      | 151                        |
| 35501809 | 9 x 18                                     | 0,21                           | 12,0                  | 86,4                      | 196                        |
| 35501812 | 12 x 18                                    | 0,21                           | 12,6                  | 115,2                     | 235                        |
| 35501816 | 16 x 18                                    | 0,21                           | 14,7                  | 153,6                     | 320                        |
| 35501818 | 18 x 18                                    | 0,21                           | 15,4                  | 172,8                     | 354                        |
| 35501819 | 19 x 18                                    | 0,21                           | 16,2                  | 182,4                     | 374                        |
| 35501825 | 25 x 18                                    | 0,21                           | 18,2                  | 240,0                     | 465                        |
| 35501827 | 27 x 18                                    | 0,21                           | 18,2                  | 259,2                     | 491                        |
| 35501837 | 37 x 18                                    | 0,21                           | 20,3                  | 355,2                     | 639                        |
| 35501850 | 50 x 18                                    | 0,21                           | 24,8                  | 480,0                     | 898                        |
| 35501603 | 3 x 16                                     | 0,26                           | 8,4                   | 43,2                      | 107                        |
| 35501604 | 4 x 16                                     | 0,26                           | 9,1                   | 57,6                      | 128                        |
| 35501605 | 5 x 16                                     | 0,26                           | 9,8                   | 72,0                      | 153                        |
| 35501607 | 7 x 16                                     | 0,26                           | 10,7                  | 100,8                     | 191                        |
| 35501608 | 8 x 16                                     | 0,26                           | 12,3                  | 115,2                     | 229                        |
| 35501609 | 9 x 16                                     | 0,26                           | 13,2                  | 129,6                     | 255                        |
| 35501612 | 12 x 16                                    | 0,26                           | 14,5                  | 172,8                     | 323                        |
| 35501616 | 16 x 16                                    | 0,26                           | 16,1                  | 230,4                     | 409                        |
| 35501618 | 18 x 16                                    | 0,26                           | 16,8                  | 259,2                     | 452                        |
| 35501619 | 19 x 16                                    | 0,26                           | 16,8                  | 273,6                     | 466                        |
| 35501625 | 25 x 16                                    | 0,26                           | 20,1                  | 360,0                     | 604                        |
| 35501627 | 27 x 16                                    | 0,26                           | 20,1                  | 388,8                     | 641                        |
| 35501641 | 41 x 16                                    | 0,26                           | 25,1                  | 590,4                     | 993                        |
| 35501650 | 50 x 16                                    | 0,26                           | 27,3                  | 720,0                     | 1174                       |

| item no. | no. of cores<br>x cross section<br>n x AWG | largest<br>single wire<br>ø mm | outer-ø<br>± 5%<br>mm | copper<br>figure<br>kg/km | cable<br>weight<br>≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 35501661 | 61 x 16                                    | 0,26                           | 29,0                  | 878,4                     | 1390                       |
| 35501403 | 3 x 14                                     | 0,26                           | 9,3                   | 72,0                      | 143                        |
| 35501404 | 4 x 14                                     | 0,26                           | 10,0                  | 96,0                      | 173                        |
| 35501405 | 5 x 14                                     | 0,26                           | 11,0                  | 120,0                     | 209                        |
| 35501407 | 7 x 14                                     | 0,26                           | 11,9                  | 168,0                     | 265                        |
| 35501409 | 9 x 14                                     | 0,26                           | 15,4                  | 216,0                     | 373                        |
| 35501412 | 12 x 14                                    | 0,26                           | 16,1                  | 288,0                     | 446                        |
| 35501418 | 18 x 14                                    | 0,26                           | 18,8                  | 432,0                     | 633                        |
| 35501425 | 25 x 14                                    | 0,26                           | 23,5                  | 600,0                     | 902                        |
| 35501203 | 3 x 12                                     | 0,31                           | 10,5                  | 115,2                     | 199                        |
| 35501204 | 4 x 12                                     | 0,31                           | 11,4                  | 153,6                     | 244                        |
| 35501205 | 5 x 12                                     | 0,31                           | 12,5                  | 192,0                     | 296                        |
| 35501207 | 7 x 12                                     | 0,31                           | 14,4                  | 268,8                     | 404                        |
| 35501003 | 3 x 10                                     | 0,31                           | 12,4                  | 172,8                     | 285                        |
| 35501004 | 4 x 10                                     | 0,31                           | 14,3                  | 230,4                     | 377                        |
| 35501005 | 5 x 10                                     | 0,31                           | 15,6                  | 288,0                     | 453                        |
| 35501007 | 7 x 10                                     | 0,31                           | 17,0                  | 403,2                     | 584                        |
| 35500804 | 4 x 8                                      | 0,41                           | 18,1                  | 337,9                     | 590                        |
| 35500805 | 5 x 8                                      | 0,41                           | 19,9                  | 422,4                     | 709                        |
| 35500604 | 4 x 6                                      | 0,41                           | 22,8                  | 541,4                     | 919                        |
| 35500605 | 5 x 6                                      | 0,41                           | 25,1                  | 676,8                     | 1110                       |
| 35500404 | 4 x 4                                      | 0,41                           | 27,4                  | 844,8                     | 1393                       |
| 35500405 | 5 x 4                                      | 0,41                           | 30,3                  | 1056,0                    | 1684                       |
| 35500204 | 4 x 2                                      | 0,41                           | 31,8                  | 1344,0                    | 1769                       |
| 35500205 | 5 x 2                                      | 0,41                           | 35,2                  | 1680,0                    | 2398                       |
| 35500104 | 4 x 1                                      | 0,41                           | 34,3                  | 1651,2                    | 2428                       |

Other dimensions and colours are possible on request.