

Control and connection cables

CC 600

PVC control cable with numbered black cores, AWG 20 - AWG 10



Marking for CC 600 02041604:

SAB BRÖCKSKES · D-VIERSEN · <VDE-REG 7000> 4x1,5mm² CC 600 16 AWG/4c 02041604

AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

Construction:

| | |
|-------------------------|--|
| Conductor: | bare copper strands acc. to IEC 60228, VDE 0295, class 5 |
| Insulation: | special PVC acc. to VDE and UL/CSA |
| Colour code: | black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores |
| Stranding: | in layers |
| Sheath material: | special oil resistant PVC acc. to VDE and UL/CSA |
| Sheath colour: | grey (RAL 7000) |

Technical data:

| | | |
|---------------------------------------|---|-----------------------------|
| Nominal voltage: | U ₀ /U 300/500 V | |
| Voltage UL/CSA: | 600 V | |
| Testing voltage: | core/core 3000 V | |
| 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 | DIN VDE | UL/CSA: up to +90 °C |
| <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 + VDE 0482-332-1-2, UL VW-1, CSA FT1, FT2 | |
| Oil resistance: | very good - TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1, Oil 60 °C acc. to UL 758, Fuel Oil acc. to CSA-C 22.2 No. 210 | |
| Chem. resistance: | see chapter N „Technical Data“ | |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see chapter N „Technical Data“ | |

Outstanding features:



- UL recognized, CSA approved
- high mechanical loading capacity
- oil resistant
- acc. to VDE-Reg. no. 7000

| item no. | no. of cores x cross section n x AWG | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 02042002 | 2 x 20 | 0,21 | 5,3 | 9,6 | 41 |
| 02042003 | 3 x 20 | 0,21 | 5,6 | 14,4 | 48 |
| 02042004 | 4 x 20 | 0,21 | 6,0 | 19,2 | 57 |
| 02042005 | 5 x 20 | 0,21 | 6,7 | 24,0 | 70 |
| 02042007 | 7 x 20 | 0,21 | 7,2 | 33,6 | 86 |
| 02042008 | 8 x 20 | 0,21 | 8,5 | 38,4 | 108 |
| 02042010 | 10 x 20 | 0,21 | 9,4 | 48,0 | 126 |
| 02042012 | 12 x 20 | 0,21 | 9,7 | 57,6 | 143 |
| 02042014 | 14 x 20 | 0,21 | 10,1 | 67,2 | 161 |
| 02042016 | 16 x 20 | 0,21 | 10,9 | 76,8 | 186 |
| 02042018 | 18 x 20 | 0,21 | 11,4 | 86,4 | 205 |
| 02042025 | 25 x 20 | 0,21 | 13,9 | 120,0 | 282 |
| 02042030 | 30 x 20 | 0,21 | 14,3 | 144,0 | 232 |
| 02042034 | 34 x 20 | 0,21 | 15,6 | 163,2 | 370 |
| 02042040 | 40 x 20 | 0,21 | 16,9 | 192,0 | 435 |
| 02042061 | 61 x 20 | 0,21 | 19,8 | 292,8 | 628 |
| 02041903 | 3 x 19 | 0,21 | 6,2 | 21,6 | 60 |
| 02041904 | 4 x 19 | 0,21 | 6,7 | 28,8 | 71 |
| 02041905 | 5 x 19 | 0,21 | 7,5 | 36,0 | 89 |
| 02041907 | 7 x 19 | 0,21 | 8,2 | 50,4 | 111 |
| 02041908 | 8 x 19 | 0,21 | 9,6 | 57,6 | 136 |
| 02041910 | 10 x 19 | 0,21 | 10,6 | 72,0 | 161 |
| 02041912 | 12 x 19 | 0,21 | 10,9 | 86,4 | 182 |
| 02041914 | 14 x 19 | 0,21 | 11,4 | 100,8 | 205 |
| 02041916 | 16 x 19 | 0,21 | 12,0 | 115,2 | 228 |
| 02041918 | 18 x 19 | 0,21 | 12,9 | 129,6 | 261 |
| 02041925 | 25 x 19 | 0,21 | 15,6 | 180,0 | 357 |
| 02041930 | 30 x 19 | 0,21 | 16,1 | 216,0 | 410 |
| 02041934 | 34 x 19 | 0,21 | 17,8 | 244,8 | 478 |
| 02041940 | 40 x 19 | 0,21 | 19,0 | 288,0 | 549 |
| 02041961 | 61 x 19 | 0,21 | 22,8 | 439,2 | 824 |
| 02041802 | 2 x 18 | 0,21 | 6,0 | 19,2 | 55 |
| 02041803 | 3 x 18 | 0,21 | 6,4 | 28,8 | 68 |
| 02041804 | 4 x 18 | 0,21 | 7,0 | 38,4 | 82 |
| 02041805 | 5 x 18 | 0,21 | 7,8 | 48,0 | 102 |
| 02041807 | 7 x 18 | 0,21 | 8,5 | 67,2 | 128 |
| 02041808 | 8 x 18 | 0,21 | 9,9 | 76,8 | 157 |
| 02041812 | 12 x 18 | 0,21 | 11,3 | 115,2 | 211 |
| 02041814 | 14 x 18 | 0,21 | 12,1 | 134,4 | 245 |

| item no. | no. of cores x cross section n x AWG | largest single wire ø mm | outer-ø ± 5% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 02041818 | 18 x 18 | 0,21 | 13,6 | 172,8 | 311 |
| 02041825 | 25 x 18 | 0,21 | 16,4 | 240,0 | 424 |
| 02041830 | 30 x 18 | 0,21 | 17,0 | 288,0 | 489 |
| 02041834 | 34 x 18 | 0,21 | 18,5 | 326,4 | 559 |
| 02041840 | 40 x 18 | 0,21 | 19,9 | 384,0 | 650 |
| 02041861 | 61 x 18 | 0,21 | 23,7 | 585,6 | 966 |
| 02041602 | 2 x 16 | 0,26 | 6,7 | 28,8 | 71 |
| 02041603 | 3 x 16 | 0,26 | 7,1 | 43,2 | 87 |
| 02041604 | 4 x 16 | 0,26 | 7,9 | 57,6 | 109 |
| 02041605 | 5 x 16 | 0,26 | 8,6 | 72,0 | 131 |
| 02041607 | 7 x 16 | 0,26 | 9,6 | 100,8 | 171 |
| 02041608 | 8 x 16 | 0,26 | 11,2 | 115,2 | 208 |
| 02041610 | 10 x 16 | 0,26 | 12,4 | 144,0 | 245 |
| 02041612 | 12 x 16 | 0,26 | 12,8 | 172,8 | 281 |
| 02041614 | 14 x 16 | 0,26 | 13,6 | 201,6 | 325 |
| 02041616 | 16 x 16 | 0,26 | 14,3 | 230,4 | 365 |
| 02041618 | 18 x 16 | 0,26 | 15,3 | 259,2 | 413 |
| 02041625 | 25 x 16 | 0,26 | 18,5 | 360,0 | 569 |
| 02041630 | 30 x 16 | 0,26 | 19,3 | 432,0 | 667 |
| 02041634 | 34 x 16 | 0,26 | 21,0 | 489,6 | 760 |
| 02041640 | 40 x 16 | 0,26 | 22,9 | 576,0 | 916 |
| 02041661 | 61 x 16 | 0,26 | 26,7 | 878,4 | 1309 |
| 02041402 | 2 x 14 | 0,26 | 8,1 | 48,0 | 108 |
| 02041403 | 3 x 14 | 0,26 | 8,6 | 72,0 | 132 |
| 02041404 | 4 x 14 | 0,26 | 9,5 | 96,0 | 166 |
| 02041405 | 5 x 14 | 0,26 | 10,6 | 120,0 | 208 |
| 02041407 | 7 x 14 | 0,26 | 11,6 | 168,0 | 263 |
| 02041408 | 8 x 14 | 0,26 | 13,8 | 192,0 | 322 |
| 02041410 | 10 x 14 | 0,26 | 15,2 | 240,0 | 383 |
| 02041412 | 12 x 14 | 0,26 | 15,7 | 288,0 | 440 |
| 02041418 | 18 x 14 | 0,26 | 18,7 | 432,0 | 643 |
| 02041425 | 25 x 14 | 0,26 | 23,1 | 600,0 | 904 |
| 02041203 | 3 x 12 | 0,31 | 10,2 | 115,2 | 196 |
| 02041204 | 4 x 12 | 0,31 | 11,3 | 153,6 | 246 |
| 02041205 | 5 x 12 | 0,31 | 12,6 | 192,0 | 304 |
| 02041207 | 7 x 12 | 0,31 | 13,9 | 268,8 | 397 |
| 02041003 | 3 x 10 | 0,31 | 12,1 | 172,8 | 284 |
| 02041004 | 4 x 10 | 0,31 | 13,2 | 230,4 | 351 |
| 02041005 | 5 x 10 | 0,31 | 14,9 | 288,0 | 440 |

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