

Control and connection cables

CC 600

PVC control cable with numbered black cores, AWG 8 - AWG 1



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



Marking for CC 600 02040804:

SAB BRÖCKSKES · D-VIERSEN · <VDE-REG 7000> 4x10 mm² CC 600 8 AWG/4c 02040804

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) |

Outstanding features:



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

| 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 |
|----------|--|--------------------------------|-----------------------|---------------------------|----------------------------|
| 02040803 | 3 x 8 | 0,41 | 15,7 | 288,0 | 495 |
| 02040804 | 4 x 8 | 0,41 | 17,5 | 384,0 | 611 |
| 02040805 | 5 x 8 | 0,41 | 19,5 | 480,0 | 749 |
| 02040604 | 4 x 6 | 0,41 | 21,3 | 614,4 | 940 |
| 02040605 | 5 x 6 | 0,41 | 24,0 | 768,0 | 1189 |
| 02040404 | 4 x 4 | 0,41 | 26,5 | 960,0 | 1466 |
| 02040204 | 4 x 2 | 0,41 | 30,4 | 1344,0 | 2007 |
| 02040104 | 4 x 1 | 0,41 | 34,9 | 1920,0 | 2831 |

Other dimensions and colours are possible on request.