

Audio Control & Instrumentation Cable, 2C to 8C, 20AWG Overall Screened & Shielded PVC Sheath

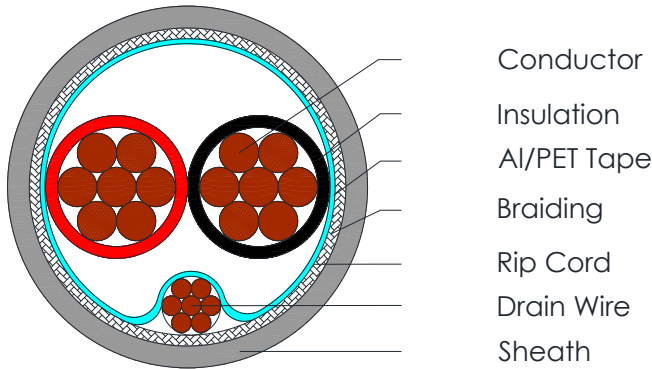


C4404, C4405, C4406, C4407, C4408

Applications

Screened Multi-Conductor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

| Unit | Properties |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor | Tinned Copper wire, 20AWG flexible |
| Insulation | PVC Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow |
| Drain Wire | Tinned Copper Wire |
| Screen | Aluminium/Polyester |
| Braiding | Tinned Copper Wire |
| Rip Cord | Nylon Yarn |
| Sheath Material | Polyvinyl Chloride (PVC) Standard Colour: Grey |
| Standard Put Up Length | 305 meters |

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

| Part Number | C4404 | C4405 | C4406 | C4407 | C4408 |
|---------------------------------------|-----------------|-------|-------|-------|-------|
| No of cores x 20AWG (7 x 28) | 2 | 3 | 4 | 6 | 8 |
| Nom. Diameter Conductor (mm) | 0.93 | | | | |
| Nom. Radial Thickness Insulation (mm) | 0.30 | | | | |
| Min. Screen Coverage (%) | 115 | | | | |
| Drain Wire size | 24 AWG (7 x 32) | | | | |
| Min. Braiding Coverage (%) | 85 | | | | |
| Nom. Radial Thickness Sheath(mm) | 0.45 | 0.65 | 0.65 | 0.65 | 0.65 |
| Nom. Overall Diameter (mm) | 4.5 | 5.1 | 5.5 | 6.4 | 6.8 |
| Operating Temperature (°C) | -20 / +75 | | | | |
| Max. Recommended Pulling Tension (N) | 112 | 168 | 224 | 336 | 448 |
| Min. Bend Radius (install) (mm) | 41 | 47 | 51 | 60 | 64 |
| Nominal Cable Weight (kg/km) | 23.4 | 35.1 | 42.7 | 58.3 | 72.6 |

Electrical Characteristics

| Part Number | C4404 | C4405 | C4406 | C4407 | C4408 |
|-------------------------------------------|-------|-------|-------|-------|-------|
| No of cores x 20AWG (7 x 28) | 2 | 3 | 4 | 6 | 8 |
| Max. DC Resistance Conductor (Ω/km) | 35.75 | | | | |
| Max. DC Resistance Screen (Ω/km) | 78.5 | | | | |
| Capacitance conductor to conductor (pF/m) | 145 | 142 | 132 | 129 | 127 |
| Capacitance conductor to the rest(pF/m) | 261 | 256 | 238 | 233 | 228 |
| Nominal Inductance (μH/m) | 0.5 | | | | |
| Max. Recom. Current @ 25°C (Amps) | 3.75 | 3.75 | 3.0 | 2.6 | 2.6 |
| Max. Operating Voltage (Vrms) | 300 | | | | |

Reference Standards

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|-----------------|
| (BS) EN 50290-2 |
| IEC 60228 |
| IEC 60332-1 |
| RoHS directives |