

Audio Control & Instrumentation Cable, 22AWG, 6 to 70PR, Individual Screened & PVC Sheath

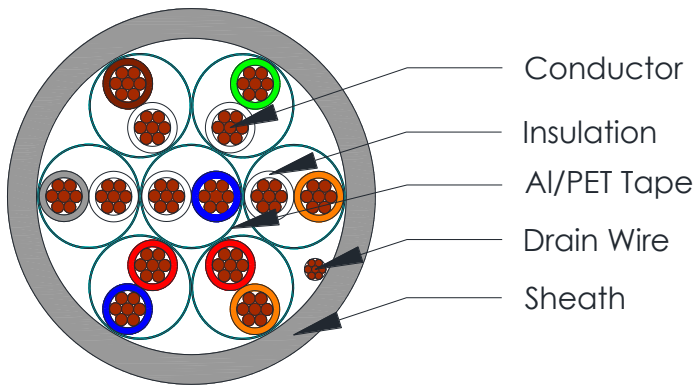


C4104, C4121, C4105, C4122, C4106, C4107

Applications

Multi-Conductor cable suitable for Audio, Control and Instrumentation.

Cross Section Drawing



Design

| Unit | Properties |
|------------------------------------|---|
| Conductor | Flexible Bare Copper wire |
| Insulation | Flame-Retardant Polyvinyl Chloride (PVC) |
| Pair | Two Wires twisted together |
| Ind. Screen | Aluminium/Polyester 100% Coverage |
| Binder tape for more than 20 pairs | PET Tape |
| Drain Wire | Tinned Copper Wire |
| Sheath Material | Flame-Retardant 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 | C4104 | C4121 | C4105 | C4122 | C4106 | C4107 |
|---------------------------------------|----------------|-------|-------|-------|-------|-------|
| No of pairs | 6 | 7 | 10 | 14 | 40 | 70 |
| Units | 1*6 | 1*7 | 1*10 | 1*14 | 4*10 | 7*10 |
| Conductor configuration (AWG) | 22AWG (7 x 30) | | | | | |
| Nom. Diameter Conductor (mm) | 0.75 | | | | | |
| Nom. Radial Thickness Insulation (mm) | 0.30 | | | | | |
| Nom. Radial Thickness Sheath (mm) | 0.6 | 0.6 | 0.8 | 0.9 | 1.2 | 1.5 |
| Nom. Overall Diameter (mm) | 9.1 | 9.6 | 12.3 | 14.2 | 22.0 | 32.0 |
| Operating Temperature (°C) | -25 / +75 | | | | | |
| Min. Bend Radius (install) (mm) | 91 | 96 | 123 | 142 | 220 | 320 |
| Nominal Cable Weight (kg/km) | 90 | 99 | 151 | 200 | 547 | 960 |

Electrical Characteristics

| Part Number | C4104 | C4121 | C4105 | C4122 | C4106 | C4107 |
|--|-------|-------|-------|-------|-------|-------|
| No of pairs | 6 | 7 | 10 | 14 | 40 | 70 |
| Max. DC Resistance Conductor (Ω /km) | 57.4 | | | | | |
| Max. Operating Voltage (Vrms) | 300 | | | | | |

Color Scheme

| Pair | Color | Pair | Color |
|------|----------------|------|-----------------|
| 1 | White + Blue | 11 | Black + Blue |
| 2 | White + Orange | 12 | Black + Orange |
| 3 | White + Green | 13 | Black + Green |
| 4 | White + Brown | 14 | Black + Brown |
| 5 | White + Grey | 15 | Black + Grey |
| 6 | Red + Blue | 16 | Yellow + Blue |
| 7 | Red + Orange | 17 | Yellow + Orange |
| 8 | Red + Green | 18 | Yellow + Green |
| 9 | Red + Brown | 19 | Yellow + Brown |
| 10 | Red + Grey | 20 | Yellow + Grey |

| Binder Tape | Color |
|----------------|--|
| 40pairs (4*10) | Blue, Orange, Green, Brown |
| 70pairs (7*10) | Blue, Orange, Green, Brown, Grey, Yellow, Purple |
| Overall | White |

Reference Standards

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