

Audio Control & Instrumentation Cable

1 pr, 20AWG, Overall Screen, PVC Sheath

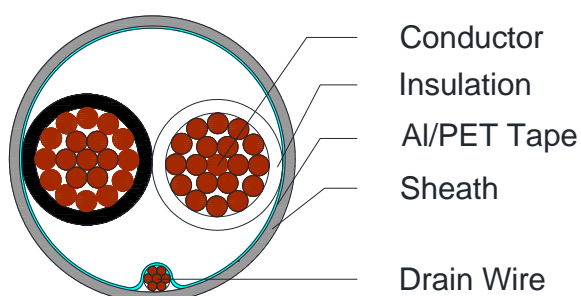


CI195

Applications

Screened one pair cable suitable for Audio Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

| Unit | Properties |
|------------------------|---|
| Conductor | Tinned Copper Wires |
| Insulation | Polyethylene Core 1: Black Core 2: Clear |
| Pair | Two wires twisted together |
| Screen | Aluminium/Polyester 100% Coverage |
| Drain wire | 24 AWG (7 x 32) 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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C1195

Physical Characteristics

| Part Number | C1195 |
|---------------------------------------|-----------|
| Number of pairs | 1 |
| Conductor size (AWG) | 20 |
| Conductor stranding (AWG) | 7x28 |
| Nom. Radial Thickness Insulation (mm) | 0.5 |
| Nom. Insulation diameter (mm) | 1.73 |
| Nom. Radial Thickness Sheath (mm) | 0.6 |
| Nom. Overall Diameter (mm) | 4.8 |
| Operating Temperature (°C) | -25 / +75 |
| Max. Recommended Pulling Tension (N) | 110 |
| Min. Bend Radius (install) (mm) | 48 |
| Nominal Cable Weight (kg/km) | 29 |

Electrical Characteristics

| Part Number | C1195 |
|--|-------|
| Impedance (Ω) | 56 |
| Max. DC Resistance Conductor (Ω /km) | 35.75 |
| Max. DC Resistance Screen (Ω /km) | 78.5 |
| Capacitance conductor to conductor (pF/m) | 75 |
| Capacitance cond. To other cond.+screen (pF/m) | 120 |
| Nominal Inductance (μ H/m) | 0.6 |
| Max. Recommended Current at 25°C (Amps) | 3.9 |
| Max. Operating Voltage (Vrms) | 300 |

Reference Standards

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