

Audio Control & Instrumentation Cable, 2C, 18AWG, Overall Screen & PVC Sheath

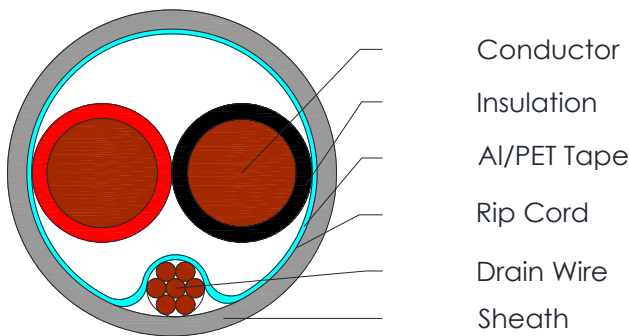


C4315

Applications

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

Cross Section Drawing



Design

| Unit | Properties |
|------------------------|---|
| Conductor | Solid Bare Copper wire |
| Insulation | Polyolefin Core 1: Black Core 2: Red |
| Drain wire | 24 AWG (7 x 32) Tinned Copper |
| Screen | Aluminium/Polyester 100% Coverage |
| Rip cord | Nylon yarn |
| Sheath | 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 | C4315 |
|--------------------------------------|------------|
| No of cores | 2 |
| Conductor Construction (AWG) | 18 |
| Nom. Radial Thickness Insulation(mm) | 0.2 |
| Nom. Radial Thickness Sheath(mm) | 0.4 |
| Nom. Overall Diameter(mm) | 4.0 |
| Operating Temperature (°C) | -25 to +75 |
| Max. Recommended Pulling Tension (N) | 200 |
| Min. Bend Radius (install)(mm) | 40 |
| Nominal Cable Weight (kg/km) | 29.6 |

Electrical Characteristics at 20°C

| Part Number | C4315 |
|--|-------|
| No of core | 2 |
| Max. DC Resistance Conductor (Ω /km) | 22.7 |
| Max. DC Resistance Screen (Ω /km) | 78.5 |
| Capacitance conductor to conductor (pF/m) | 95 |
| Capacitance cond. To Rest (pF/m) | 175 |
| Nominal Inductance (μ H/m) | 0.5 |
| Max. Recommended Current at 25°C (Amps) | 5 |
| Max. Operating Voltage (Vrms) | 300 |

Reference Standards

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