

Audio Control & Instrumentation Cable, 2C to 8C, 12AWG, Overall Screen, PVC Sheath

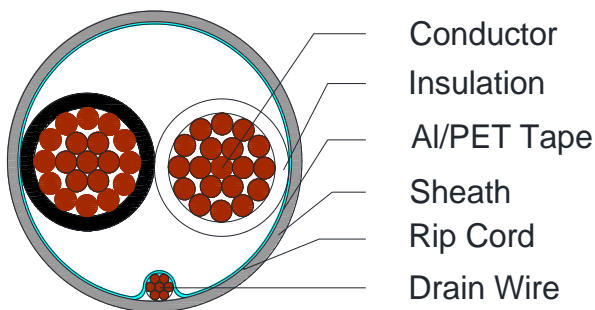


C1322, C1324, C1326, C1328, C1330, C1332

Applications

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

Cross Section Drawing



Design

| Unit | Properties |
|------------------------|---|
| Conductor | N x Bare Copper wire, 12AWG flexible |
| Insulation | Polyolefin Core 1: Black Core 2: White Core 3: Red Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow |
| Drain Wire | 20 AWG (7 x 28) Tinned Copper |
| Screen | Aluminium/Polyester 100% Coverage |
| Rip cord | Nylon yarn |
| 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

| B3 Part Number | C1322 | 1324 | C1326 | 1328 | C1330 | C1332 |
|---------------------------------------|-----------|-------|-------|-------|-------|-------|
| No of cores x 12AWG (19 x 25) | 2 | 3 | 4 | 5 | 6 | 8 |
| Nom. Diameter Conductor | 2.3 | | | | | |
| Nom. Radial Thickness Insulation (mm) | 0.3 | | | | | |
| Nom. Radial Thickness Sheath (mm) | 0.45 | | | | | |
| Nom. Overall Diameter (mm) | 6.9 | 7.4 | 8.2 | 9.0 | 9.8 | 10.7 |
| Operating Temperature (°C) | -25 / +75 | | | | | |
| Max. Recommended Pulling Tension (N) | 675 | 1015 | 1350 | 1690 | 2025 | 2700 |
| Min. Bend Radius (install) (mm) | 69 | 74 | 82 | 90 | 98 | 107 |
| Nominal Cable Weight (kg/km) | 85.7 | 118.1 | 151.1 | 182.5 | 215.5 | 279.5 |

Electrical Characteristics

| B3 Part Number | C1322 | C1324 | C1326 | C1328 | C1330 | C1332 |
|---|-------|-------|-------|-------|-------|-------|
| No of cores x 12AWG (19 x 25) | 2 | 3 | 4 | 5 | 6 | 8 |
| Max. DC Resistance Conductor (Ω /km) | 5.61 | | | | | |
| Max. DC Resistance Screen (Ω) | 78.5 | | | | | |
| Capacitance conductor to conductor (pF/m) | 105 | 105 | 100 | 100 | 100 | 100 |
| Capacitance conductor to other conductors+screen (pF/m) | 220 | 220 | 180 | 180 | 180 | 175 |
| Nominal Inductance (μ H/m) | 0.5 | | | | | |
| Max. Recommended Current at 25°C (Amps) | 12 | 12 | 9.6 | 8.4 | 8.4 | 8.4 |
| Max. Operating Voltage (Vrms) | 300 | | | | | |

Reference Standards

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