

Audio Control & Instrumentation Cable

2C to 12C, 20AWG Unscreened, HFFR/LSZH Sheath

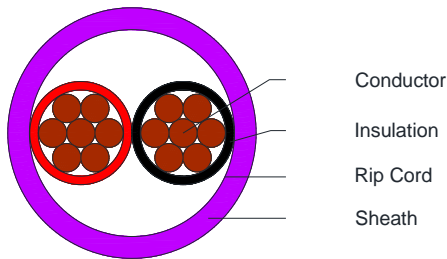


C1732, C1734, C1736, C1753, C1738, C1740, C5794

Applications

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

Cross Section Drawing



Design

| Unit | Properties |
|------------------------|--|
| Conductor | N x Bare Copper wire, 20AWG flexible |
| Insulation | HFFR/LSZH Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow Core 9: Purple Core 10: Grey Core 11: Pink Core 12: Tan |
| Rip Cord | Nylon Yarn |
| Sheath Material | Flame-Retardant Halogen Free (HFFR/LSZH) Standard colour: Purple |
| 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 | C1732 | C1734 | C1736 | C1753 | C1738 | C1740 | C5794 |
|---------------------------------------|-----------|-------|-------|-------|-------|-------|-------|
| No of cores x 20AWG (7 x 28) | 2 | 3 | 4 | 5 | 6 | 8 | 12 |
| Nom. Diameter Conductor (mm) | 0.93 | | | | | | |
| Nom. Radial Thickness Insulation (mm) | 0.25 | | | | | | |
| Nom. Radial Thickness Sheath(mm) | 0.65 | | | | | | |
| Nom. Overall Diameter (mm) | 4.3 | 4.5 | 4.9 | 5.4 | 5.8 | 6.3 | 7.2 |
| Operating Temperature (°C) | -25 / +75 | | | | | | |
| Max. Recommended Pulling Tension (N) | 112 | 168 | 224 | 280 | 336 | 448 | 672 |
| Min. Bend Radius (install) (mm) | 43 | 45 | 49 | 54 | 58 | 63 | 72 |
| Nominal Cable Weight (kg/km) | 27.7 | 34.5 | 42.5 | 50.8 | 59.1 | 74.4 | 112 |

Electrical Characteristics

| Part Number | C1732 | C1734 | C1736 | C1753 | C1738 | C1740 | C5794 |
|--|-------|-------|-------|-------|-------|-------|-------|
| No of cores x 20AWG (7 x 28) | 2 | 3 | 4 | 5 | 6 | 8 | 12 |
| Max. DC Resistance Conductor (Ω /km) | 35.75 | | | | | | |
| Capacitance conductor to conductor (pF/m) | 65 | 65 | 68 | 70 | 70 | 70 | 70 |
| Nominal Inductance (μ H/m) | 0.5 | | | | | | |
| Max. Recom. Current @ 25°C (Amps) | 3.75 | 3.75 | 3 | 2.6 | 2.6 | 2.6 | 2.6 |
| Max. Operating Voltage (Vrms) | 300 | | | | | | |

Reference Standards

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|---------------------------|
| (BS) EN 50290-2 |
| IEC 60228 |
| IEC 60754-1 & 2 |
| IEC 61034, IEC 60332-3-24 |
| RoHS directives |