

Applications

One pair cable
Suitable for Audio, Control
And Instrumentation

Sector - BT BMS-TEC™

Audio, Control & Instrumentation

Standard References

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

Design

1. **Conductor**
Tinned Copper wire,
One twisted pair
2. **Insulation**
Polyvinyl Chloride (PVC)
Core 1: Black
Core 2: White
3. **Sheath Material**
Flame Retardant Polyvinyl Chloride
(PVC)
Standard colour: Grey

Standard Put Up Length

305 metres

Cable Characteristics

| BTCL Part Number | Unit | C1302 | C1222 | C1198 | C1203 | C1300 | C1301 |
|----------------------------------|------|---------|---------|----------|----------|--------|--------|
| Number of pairs | | 1 | 1 | 1 | 1 | 1 | 1 |
| Conductor size | | 12 | 14 | 16 | 18 | 20 | 22 |
| Conductor stranding | mm | 19x0.47 | 19x0.36 | 19x0.287 | 16x0.254 | 7x0.30 | 7x0.25 |
| Nom. Radial Thickness Insulation | mm | 0.8 | 0.8 | 0.6 | 0.3 | 0.3 | 0.3 |
| Nom. Radial Thickness Sheath | mm | 0.9 | 0.9 | 0.8 | 0.7 | 0.6 | 0.6 |
| Nom. Overall Diameter | mm | 9.8 | 8.6 | 6.9 | 5.1 | 4.3 | 4.0 |

Electrical Characteristics

| BTCL Part Number | Unit | C1302 | C1222 | C1198 | C1203 | C1300 | C1301 |
|------------------------------------|------|-------|-------|-------|-------|-------|-------|
| AWG size conductor | | 12 | 14 | 16 | 18 | 20 | 22 |
| Max. DC Resistance Conductor | Ω/km | 6.2 | 9.5 | 14.7 | 21.7 | 35.75 | 52.7 |
| Capacitance conductor to conductor | pF/m | 115 | 108 | 50 | 85 | 80 | 70 |
| Nominal Inductance | μH/m | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Max. Recommended Current at 25°C | Amps | 13 | 9.5 | 7.1 | 5.2 | 3.9 | 2.9 |
| Max. Operating Voltage | Vrms | 600 | 600 | 300 | 300 | 300 | 300 |

Miscellaneous

| BTCL Part Number | Unit | C1302 | C1222 | C1198 | C1203 | C1300 | C1301 |
|----------------------------------|-------|-----------|-------|-------|-------|-------|-------|
| AWG size conductor | | 12 | 14 | 16 | 18 | 20 | 22 |
| Operating Temperature | °C | -25 / +75 | | | | | |
| Max. Recommended Pulling Tension | N | 665 | 420 | 270 | 200 | 110 | 80 |
| Min. Bend Radius (install) | mm | 98 | 88 | 70 | 51 | 43 | 40 |
| Nominal Cable Weight | kg/km | 115 | 91.8 | 63.3 | 38.6 | 23 | 19.5 |