

### Applications

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

### Sector - BT BMS-TEC™

Audio, Control & Instrumentation

### Standard References

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

### Design

#### 1. Conductor

2 x Bare Copper wire,  
0.6 sqmm flexible,  
7 x 0.35 mm

#### 2. Insulation

Polyolefin  
Core 1: Black  
Core 2: Red

#### 3. Drain Wire

7 x 0.20 mm  
Tinned Copper

#### 4. Ripcord

#### 5. Screen

Aluminium/Polyester  
115% Coverage

#### 6. Sheath Material

Flame-Retardant PVC  
Standard colour: grey

### Standard Put Up Length

305 metres

### Physical Characteristics

BTCL Part Number	Unit	C1381
No of Cores		2
Nom. Diameter Conductor	mm	1.05
Nom. Radial Thickness Insulation	mm	0.2
Nom. Diameter over insulation	mm	1.5
Nom. Radial Thickness Sheath	mm	0.4
Nom. Overall Diameter	mm	3.9

### Electrical Characteristics

BTCL Part Number	Unit	C1381
No of Cores		2
Max. DC Resistance Conductor	Ω/km	33.4
Max. DC Resistance Screen	Ω/km	78.5
Capacitance conductor to conductor	pF/m	110
Capacitance cond. To other cond. +screen	pF/m	21
Nominal Inductance	μH/m	0.5
Max. Recommended Current at 25°C	Amps	6
Max. Operating Voltage	Vrms	300

### Miscellaneous

BTCL Part Number	Unit	C1381
No of Cores		2
Operating Temperature	°C	-25 / +75
Max. Recommended Pulling Tension	N	200
Min. Bend Radius (install)	mm	40