

### Applications

Unscreened 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

N x Bare Copper wire,  
14AWG flexible

#### 2. 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

#### 3. Ripcord

#### 4. Sheath Material

Flame-Retardant  
Polyvinyl Chloride (PVC)  
Standard colour: grey

#### Standard Put Up Length

305 metres

### Physical Characteristics

BTCL Part Number	Unit	C1002	C1004	C1006	C1249	C1251
No of cores x 14AWG (19 x 27)		2	3	4	6	8
Nom. Diameter Conductor	mm	1.8	1.8	1.8	1.8	1.8
Nom. Radial Thickness Insulation	mm	0.3	0.3	0.3	0.3	0.3
Nom. Radial Thickness Sheath	mm	0.4	0.4	0.4	0.4	0.4
Nom. Overall Diameter	mm	5.75	6.35	6.75	8.4	9.7

### Electrical Characteristics

BTCL Part Number	Unit	C1002	C1004	C1006	C1249	C1251
No of cores x 14AWG (19 x 27)		2	3	4	6	8
Max. DC Resistance Conductor	Ω/km	9.36	9.36	9.36	9.36	9.36
Capacitance conductor to conductor	pF/m	74	74	74	74	74
Nominal Inductance	μH/m	0.5	0.5	0.5	0.5	0.5
Max. Recommended Current at 25°C	Amps	8	8	6.4	5.6	5.6
Max. Operating Voltage	Vrms	300	300	300	300	300

### Miscellaneous

BTCL Part Number	Unit	C1002	C1004	C1006	C1249	C1251
No of cores x 14AWG (19 x 27)		2	3	4	6	8
Operating Temperature	°C	-25 / +75	-25 / +75	-25 / +75	-25 / +75	-25 / +75
Max. Recommended Pulling Tension	N	420	635	845	1265	1685
Min. Bend Radius (install)	mm	60	65	70	70	100
Nominal Cable Weight	kg/km	53.3	72.5	97.1	148.2	194.5