

### 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,  
18AWG flexible

#### 2. Insulation

Polyolefin  
Core 1: Black  
Core 2: Red  
Core 3: White  
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	C1014	C1016	C1018	C1212	C1259
No of cores x 18AWG (7 x 26)		2	3	4	6	8
Nom. Diameter Conductor	Ω/km	1.2	1.2	1.2	1.2	1.2
Nom. Radial Thickness Insulation	pF/m	0.2	0.2	0.2	0.2	0.2
Nom. Radial Thickness Sheath	μH/m	0.4	0.4	0.4	0.4	0.4
Nom. Overall Diameter	mm	3.9	4.1	4.55	5.7	5.9

### Electrical Characteristics

BTCL Part Number	Unit	C1014	C1016	C1018	C1212	C1259
No of cores x 18AWG (7 x 26)		2	3	4	6	8
Max. DC Resistance Conductor	mm	20.58	20.58	20.58	20.58	20.58
Capacitance conductor to conductor	mm	52	52	50	50	50
Nominal Inductance	mm	0.5	0.5	0.5	0.5	0.5
Max. Recommended Current at 25°C	Amps	5	5	4	3.5	3.5
Max. Operating Voltage	Vrms	300	300	300	300	300

### Miscellaneous

BTCL Part Number	Unit	C1014	C1016	C1018	C1212	C1259
No of cores x 18AWG (7 x 26)		2	3	4	6	8
Operating Temperature	°C	-25 / +75	-25 / +75	-25 / +75	-25 / +75	-25 / +75
Max. Recommended Pulling Tension	N	200	299	399	600	797
Min. Bend Radius (install)	mm	40	42	46	58	60
Nominal Cable Weight	kg/km	27.3	36.9	47.2	68.2	87