

### Applications

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,  
22AWG 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. Drain Wire

24 AWG (7 x 32)  
Tinned Copper

#### 4. Ripcord

#### 5. Screen

Aluminium/Polyester  
100% Coverage

#### 6. Sheath Material

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

### Standard Put Up Length

305 metres

### Physical Characteristics

BTCL Part Number	Unit	C1226	C1228	C1230	C1264	C1232
No of cores x 22AWG (7 x 30)		2	3	4	6	8
Nom. Diameter Conductor	mm	0.8	0.8	0.8	0.8	0.8
Nom. Radial Thickness Insulation	mm	0.20	0.20	0.20	0.20	0.20
Nom. Radial Thickness Sheath	mm	0.4	0.4	0.4	0.4	0.4
Nom. Overall Diameter	mm	3.3	3.5	3.8	4.5	4.9

### Electrical Characteristics

BTCL Part Number	Unit	C1226	C1228	C1230	C1264	C1232
No of cores x 22AWG (7 x 30)		2	3	4	6	8
Max. DC Resistance Conductor	Ω/km	52.68	52.68	52.68	52.68	52.68
Max. DC Resistance Screen	Ω/km	78.5	78.5	78.5	78.5	78.5
Capacitance conductor to conductor	pF/m	126	70	64	64	65
Capacitance cond. To other cond. +screen	pF/m	226	132	120	120	115
Nominal Inductance	μH/m	0.5	0.5	0.5	0.5	0.5
Max. Recommended Current at 25°C	Amps	2.8	2.8	2.25	1.95	1.95
Max. Operating Voltage	Vrms	300	300	300	300	300

### Miscellaneous

BTCL Part Number	Unit	C1226	C1228	C1230	C1264	C1232
No of cores x 22AWG (7 x 30)		2	3	4	6	8
Operating Temperature	°C	-25 / +75	-25 / +75	-25 / +75	-25 / +75	-25 / +75
Max. Recommended Pulling Tension	N	80	121	187	243	324
Min. Bend Radius (install)	mm	31	33	36	40	45
Nominal Cable Weight	kg/km	15.7	20	25.3	34.3	42.6