

Applications

Building Management Systems (BMS), Access Control, Instrumentation

Sector - BT BMS-TEC™

Computer Cables

Standard References

IEC 60332-1
RoHS directives
(BS)EN 50290

Design

1. Conductor

Tinned Copper wires
24 AWG (7 x 32)
N twisted pairs

2. Insulation

Foam PE
Pair 1: Black/Red
Pair 2: Black/White
Pair 3: Black/Green
Pair 4: Black/Blue
Pair 5: Black/Yellow
Pair 6: Black/Brown

3. Drain Wire

24 AWG (7 x 32)
Tinned Copper

4. Screen

Each pair individually screened with an Aluminium/Polyester foil
100% Coverage

5. Sheath Material

Polyvinyl Chloride (PVC)
Standard colour: grey

Standard Put Up Length

305 metres

Physical Characteristics

BTCL Part Number	Unit	C1382	C1383	C1384	C1386
Number of pairs		2	3	4	6
Conductor size	AWG	24	24	24	24
Nom. Diameter Conductor	mm	0.6	0.6	0.6	0.6
Nom. Radial Thickness Insulation	mm	0.47	0.47	0.47	0.47
Nom. Radial Thickness Sheath	mm	0.6	0.6	0.6	0.6
Nom. Overall Diameter	mm	6.7	8.4	9.2	10.6

Electrical Characteristics

BTCL Part Number	Unit	C1382	C1383	C1384	C1386
No of pairs x 22AWG		2	3	4	6
Nominal Impedance	Ω	100	100	100	100
Max. DC Resistance Conductor	Ω/km	82.7	82.7	82.7	82.7
Max. DC Resistance Screen	Ω/km	78.5	78.5	78.5	78.5
Capacitance conductor to conductor	pF/m	41	41	41	41
Capacitance cond. To other cond. +screen	pF/m	76	76	76	76
Max. Recommended Current at 25°C	0.6	2.5	2.5	2.5	2.5
Max. Operating Voltage	Vrms	300	300	300	300

Miscellaneous

BTCL Part Number	Unit	C1382	C1383	C1384	C1386
No of pairs x conductor AWG size		2	3	4	6
Operating Temperature	°C	-25 / +75	-25 / +75	-25 / +75	-25 / +75
Max. Recommended Pulling Tension	N	80	110	140	200
Min. Bend Radius (install)	mm	67	84	92	106
Nominal Weight	kg/km	41.8	59.4	75.5	104.8