

Applications

Individual screened paired cable suitable for Audio, Control and Instrumentation

Sector **BT BMS-TEC**[®]

Cables with individually shielded pairs

Standard References

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

Note: [®] BT BMS-Tec is a registered trade mark of British Telecommunications public limited company.

Design

1. Conductor

Tinned Copper wires
22 AWG (7 x 30)
N twisted pairs

2. Insulation

Polyolefin
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. Shield

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

5. Jacket Material

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

Standard Put Up Length

305 metres

Physical Characteristics

BT Cables Part Number	Unit	C1196	C1197	C1298	C1299	C1214
Number of pairs		2	3	4	5	6
Conductor gauge	AWG	22	22	22	22	22
Nom. Diameter Conductor	mm	0.75	0.75	0.75	0.75	0.75
Nom. Radial Thickness Insulation	mm	0.2	0.2	0.2	0.2	0.2
Nom. Radial Thickness Jacket	mm	0.6	0.6	0.6	0.6	0.6
Nom. Overall Diameter	mm	6.0	6.5	7.0	7.7	8.9

Electrical Characteristics

BT Cables Part Number	Unit	C1196	C1197	C1298	C1299	C1214
Number of pairs		2	3	4	5	6
Max. DC Resistance Conductor	Ω/km	57.4	57.4	57.4	57.4	57.4
Capacitance conductor to conductor	pF/m	90	98	98	99	99
Capacitance cond. To other cond.+screen	pF/m	180	180	180	180	180
Nominal Impedance	Ω	50	50	50	50	50
Max. Recommended Current at 25°C	Amps	2.3	2.3	2	2	2

Miscellaneous

BT Cables Part Number	Unit	C1196	C1197	C1298	C1299	C1214
Number of pairs		2	3	4	5	6
Operating Temperature	°C	-25 / +75	-25 / +75	-25 / +75	-25 / +75	-25 / +75
Max. Recommended Pulling Tension	N	185	240	320	400	480
Min. Bend Radius (install)	mm	60	65	70	77	85
Nominal Cable Weight	kg/km	36	49	62	74	87