

Applications

One pair cable
Suitable for Audio, Control
And Instrumentation

Sector - BT BMS-TEC™

Audio, Control & Instrumentation

Standard References

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

Design

- 1. Conductor**
Tinned Copper wire,
One twisted pair
- 2. Insulation**
Polyvinyl Chloride (PVC)
Core 1: Black
Core 2: White
- 3. Sheath Material**
Flame Retardant Polyvinyl Chloride
(PVC)
Standard colour: Grey

Standard Put Up Length

305 metres

Cable Characteristics

BTCL Part Number	Unit	C1302	C1222	C1198	C1203	C1300	C1301
Number of pairs		1	1	1	1	1	1
Conductor size		12	14	16	18	20	22
Conductor stranding	mm	19x0.47	19x0.36	19x0.287	16x0.254	7x0.30	7x0.25
Nom. Radial Thickness Insulation	mm	0.8	0.8	0.6	0.3	0.3	0.3
Nom. Radial Thickness Sheath	mm	0.9	0.9	0.8	0.7	0.6	0.6
Nom. Overall Diameter	mm	9.8	8.6	6.9	5.1	4.3	4.0

Electrical Characteristics

BTCL Part Number	Unit	C1302	C1222	C1198	C1203	C1300	C1301
AWG size conductor		12	14	16	18	20	22
Max. DC Resistance Conductor	Ω/km	6.2	9.5	14.7	21.7	35.75	52.7
Capacitance conductor to conductor	pF/m	115	108	50	85	80	70
Nominal Inductance	μH/m	0.6	0.6	0.6	0.6	0.6	0.6
Max. Recommended Current at 25°C	Amps	13	9.5	7.1	5.2	3.9	2.9
Max. Operating Voltage	Vrms	600	600	300	300	300	300

Miscellaneous

BTCL Part Number	Unit	C1302	C1222	C1198	C1203	C1300	C1301
AWG size conductor		12	14	16	18	20	22
Operating Temperature	°C	-25 / +75					
Max. Recommended Pulling Tension	N	665	420	270	200	110	80
Min. Bend Radius (install)	mm	98	88	70	51	43	40
Nominal Cable Weight	kg/km	115	91.8	63.3	38.6	23	19.5