

BCC BMS-Tec™ - Multi Conductor Cables

2 – 3 – 4 – 5 – 6 or 8 Cores

18AWG (7 x 26), Flexible Bare Copper, Unscreened, PVC Sheath

BCC Part No: C1014 – C1016 – C1018 -C1054- C1212 – C1259



Applications

Unscreened Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Sector

BCC BMS-TEC™

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

BCC Part Number	Unit	C1014	C1016	C1018	C1054	C1212	C1259
No of cores x 18AWG (7 x 26)		2	3	4	6	7	8
Nom. Diameter Conductor	mm	1.2	1.2	1.2	1.2	1.2	1.2
Nom. Radial Thickness Insulation	mm	0.2	0.2	0.2	0.2	0.2	0.2
Nom. Radial Thickness Sheath	mm	0.4	0.4	0.4	0.4	0.4	0.4
Nom. Overall Diameter	mm	3.9	4.1	4.55	5.20	5.7	5.9

Electrical Characteristics

BCC Part Number	Unit	C1014	C1016	C1018	C1054	C1212	C1259
No of cores x 18AWG (7 x 26)		2	3	4	6	7	8
Max. DC Resistance Conductor	Ω/km	22.7	22.7	22.7	22.7	22.7	22.7
Capacitance conductor to conductor	pF/m	52	65	50	50	50	50
Max. Recommended Current at 25°C	Amps	5	5	4	3.5	3.5	3.5
Max. Operating Voltage	Vrms	300	300	300	300	300	300

Miscellaneous

BCC Part Number	Unit	C1014	C1016	C1018	C1054	C1212	C1259
No of cores x 18AWG (7 x 26)		2	3	4	6	7	8
Operating Temperature	°C	-25 / +75					
Max. Recommended Pulling Tension	N	200	299	399	500	600	797
Min. Bend Radius (install)	mm	40	42	46	52	58	60
Nominal Cable Weight	kg/km	27.3	36.9	47.2	58.1	68.2	87



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