

# BCC BMS-Tec™ - Multi Conductor Cables

2 – 3 – 4 – 6 or 8 Cores

20AWG (7 x 28), Flexible Bare Copper, Unscreened, PVC Sheath

BCC Part No: C1020 – C1022 – C1024 - C1261 – C1263



## 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,  
20AWG 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	C1020	C1022	C1024	C1261	C1263
No of cores x 20AWG (7 x 28)		2	3	4	6	8
Nom. Diameter Conductor	mm	1.0	1.0	1.0	1.0	1.0
Nom. Radial Thickness Insulation	mm	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
Nom. Overall Diameter	mm	3.4	3.6	4.0	4.9	5.3

## Electrical Characteristics

BCC Part Number	Unit	C1020	C1022	C1024	C1261	C1263
No of cores x 20AWG (7 x 28)		2	3	4	6	8
Max. DC Resistance Conductor	Ω/km	35.75	35.75	35.75	35.75	35.75
Capacitance conductor to conductor	pF/m	39	47	47	45	45
Nominal Inductance	μH/m	0.5	0.5	0.5	0.5	0.5
Max. Recommended Current at 25°C	Amps	3.75	3.75	3	2.6	2.6
Max. Operating Voltage	Vrms	300	300	300	300	300

## Miscellaneous

BCC Part Number	Unit	C1020	C1022	C1024	C1261	C1263
No of cores x 20AWG (7 x 28)		2	3	4	6	8
Operating Temperature	°C	-25 / +75				
Max. Recommended Pulling Tension	N	112	168	224	336	448
Min. Bend Radius (install)	mm	35	37	41	50	55
Nominal Cable Weight	kg/km	19.7	26.2	33.1	47.9	60.6



British Cables Company Limited, Delaunays Road, Blackley, Manchester, M9 8FP, United Kingdom

Tel: +44 (0) 161 741 2345 | Fax: +44 (0) 161 795 8393 | Web: [www.britishcablescompany.com](http://www.britishcablescompany.com) | Email: [info@britishcables.com](mailto:info@britishcables.com)

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