

BCC Data-Tec™ - Networking Cable - U/UTP

4 Pair Cat 6 U/UTP Cable - B2ca-s1a, d0, a1

B2ca-s1a, d0, a1
DoP: BCC1004



Applications

Suitable for internal use of Local Area Networks and Analogue & Digital video applications, supporting Gigabit Ethernet and POE.

Category

6 Data Cables

Standard References

ANSI/TIA-568-C.2
ISO/IEC 11801 2ND edition
EN50173-1 & EN50288-3-1
EN 50575:2014/A1:2016
IEC 60754-1&2
IEC 61034-1
RoHS 2002/95/EC

Design

- 1. Conductor**
Solid annealed copper
- 2. Insulation**
Pair 1: WHITE-Blue/Blue
Pair 2: WHITE-Orange/Orange
Pair 3: WHITE-Green/Green
Pair 4: WHITE-Brown/Brown

3. Cross member

Polyethylene

4. Ripcord

Nylon

5. Sheath

LSZH

Standard Put Up Length

305 metres



Physical Characteristics

Conductor Diameter Nom. (mm)	Insulation Diameter Nom. (mm)	Overall Diameter Nom. (mm)	Cable Weight Nom. (Kg/Km)	Temperature Range (°C)	Min. Bend Radius (install) (mm)
0.55 (±0.01)	1.00 (±0.05)	6.2 (±0.3)	40	-10 ~ +60	8 X OD

Electrical Characteristics at 20°C (part 1)

Impedance (Ω)	Max. Conductor DC Resistance (Ω/km)	Mutual Capacitance at 1KHz (nF/100m)	NVP (%)	Min. Insulation Resistance (MΩ*km)	Max. Resistance Unbalance (%)
100±15 (1MHz to 100MHz)	95	5.6	65	5000	2.0

Electrical Characteristics at 20°C (part 2)

Frequency (MHz)	Nominal Attenuation (dB/100m)	Minimum NEXT (dB)	Minimum PSNEXT (dB)	Minimum ELFEXT (dB)	Minimum PSELFEXT (dB)	Min. Return Loss (dB)	Maximum SKEW (ns/100m)
1	2.0	74.3	72.3	67.8	64.8	20.0	45
4	3.8	65.3	63.3	55.8	52.8	23.0	45
8	5.3	60.8	58.8	49.7	46.7	24.5	45
10	6.0	59.3	57.3	47.8	44.8	25.0	45
16	7.6	56.2	54.2	43.7	40.7	25.0	45
20	8.5	54.8	52.8	41.8	38.8	25.0	45
25	9.5	53.3	51.3	39.8	36.8	24.3	45
31.25	10.7	51.9	49.9	37.9	34.9	23.6	45
62.5	15.4	47.4	45.4	31.9	28.9	21.5	45
100	19.8	44.3	42.3	27.8	24.8	20.1	45
200	29.0	39.8	37.8	21.8	18.8	18.0	45
250	32.8	38.3	36.3	19.8	16.8	17.3	45



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