

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

4 Pair Cat 5e U/UTP Cable - Eca



BRITISH CABLES COMPANY

Eca
DoP: BCC1003



Applications

This cable is suitable for internal use of Local Area Networks and Analogue & Digital video applications

Category

5e 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. Ripcord**
Nylon
- 4. Sheath**
LSZH - Violet

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)
0.49 (±0.01)	0.88 (±0.05)	5.00 (±0.2)	28	-20 ~ +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)	98	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	65.3	62.3	63.8	60.8	20.0	45
4	4.1	56.3	55.3	51.8	48.8	23.0	45
8	5.8	51.8	48.8	45.7	42.7	24.5	45
10	6.5	50.3	47.3	43.8	40.8	25.0	45
16	8.2	47.2	44.2	39.7	36.7	25.0	45
20	9.3	45.8	42.8	37.8	34.8	25.0	45
25	10.4	44.3	41.3	35.8	32.8	24.3	45
31.25	11.7	42.9	39.9	33.9	30.9	23.6	45
62.5	17.0	38.4	35.4	27.9	24.9	21.5	45
100	22	35.3	32.3	23.8	20.8	20.1	45



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