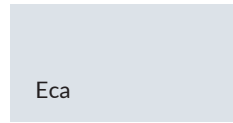


# BCC Data-Tec™ - Networking Cable - U/UTP

4 Pair Cat 6 U/UTP Cable - Eca-PVC Sheathed



BRITISH CABLES COMPANY



## 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 & EN50288-6-1 EN  
50575:2014/A1:2016  
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

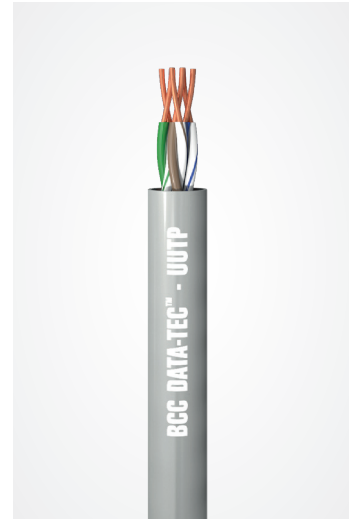
Nylon

## 5. Sheath

PVC

## 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)
0.51 (±0.01) 24 AWG	0.93 (±0.05)	5.9 (±0.2)	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



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)

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors may occur.

Specification and availability should be confirmed with a call to our sales representatives. ©British Cables Company Limited