

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

4 Pair External Cat 6 U/UTP Cable - Fca



Fca  
DoP: BCC1010



## Applications

Suitable for external 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  
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**  
Polyethylene- Black

## 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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