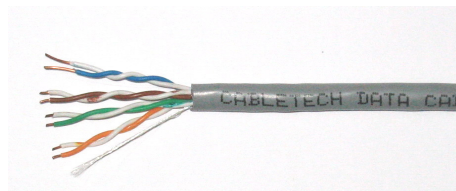


## Enhanced Category 5 UTP Cable

100 Ohm, 4 Pair Unshielded Twisted Pairs Data Cable (UL Verified to TIA/EIA 568A & ISO/IEC 11801)



**PRODUCT CODE** UTP Cat5e

### CONSTRUCTION

Conductor 24AWG Plain Copper Conductor to BS 4109  
 Core Insulation Data Grade Polythene to BS 6234  
 Core Identification 2 Colours are stated on a core this denotes Bi-coloured Insulation  
 Twisted Construction Insulated cores twisted into pairs, 4 pairs laid-up to form a compact and circular cable  
 Outer Sheath PVC to BS7878

### DIMENSIONS

|                | Conductor | Core | Nom. O.D. |
|----------------|-----------|------|-----------|
| Diameter in mm | 0.51      | 0.91 | 5.1       |

### ELECTRICAL DATA

|                 | Impedance  | Capacitance | D.C. Resistance | Capacitance Unbalance | Resistance Unbalance |
|-----------------|------------|-------------|-----------------|-----------------------|----------------------|
| Characteristics | 85-115 ohm | <56 nF/km   | <93.8 ohm/km    | <1600 pF/km           | <2 %                 |

### ATTENUATIONS

|              |         | Nominal Attenuation | Worst Pair NEXT | PSNEXT | Worst Pair ELFEXT | PSELFEXT |
|--------------|---------|---------------------|-----------------|--------|-------------------|----------|
| at 0.772 MHz | dB/100m | 1.8                 | 67.0            | 64.0   | 66.0              | 63.0     |
| at 1 MHz     | dB/100m | 2.0                 | 65.3            | 62.3   | 63.8              | 60.8     |
| at 4 MHz     | dB/100m | 4.1                 | 56.3            | 53.3   | 51.7              | 48.7     |
| at 8 MHz     | dB/100m | 5.8                 | 51.8            | 48.8   | 45.7              | 42.7     |
| at 10 MHz    | dB/100m | 6.5                 | 50.3            | 47.3   | 43.8              | 70.8     |
| at 16 MHz    | dB/100m | 8.2                 | 47.3            | 44.3   | 39.7              | 36.7     |
| at 20 MHz    | dB/100m | 9.3                 | 45.8            | 42.8   | 37.7              | 34.7     |
| at 25 MHz    | dB/100m | 10.4                | 44.3            | 41.3   | 35.8              | 32.8     |
| at 31.25 MHz | dB/100m | 11.7                | 42.9            | 39.9   | 33.9              | 30.9     |
| at 62.50 MHz | dB/100m | 17.0                | 38.4            | 35.4   | 27.8              | 24.8     |
| at 100 MHz   | dB/100m | 22.0                | 35.3            | 32.3   | 23.8              | 20.8     |
| at 155 MHz   | dB/100m | 28.1                | 32.5            | 29.5   | 19.9              | 16.9     |

### PACKINGS

Length 305 metre per box  
 Dimension 305 x 365 x 230 mm