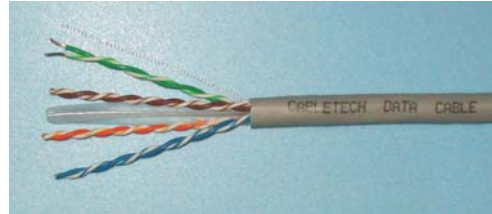


Category 6 UTP Cable

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



PRODUCT CODE UTP CAT6

CONSTRUCTION

Conductor 23AWG Plain Copper Conductor
 Core Insulation Data Grade Polythene
 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

DIMENSIONS

| | Conductor | Core | Nom. O.D. |
|----------------|-----------|------|-----------|
| Diameter in mm | 0.57 | 1.03 | 6.7 |

ELECTRICAL DATA

| | Impedance | Capacitance | D.C. Resistance | Capacitance Unbalance | Resistance Unbalance | Insulation Resistance |
|-----------------|------------|-------------|-----------------|-----------------------|----------------------|-----------------------|
| Characteristics | 85-115 ohm | ≤ 56 nF/km | ≤ 72.5 ohm/km | ≤ 3300 pF/km | ≤ 3 % | > 500M/km |

ATTENUATIONS

| | Nominal Attenuation (max) | Worst Pair NEXT (min) | PSNEXT (min) | Worst Pair ELFEXT (min) | PSELFEXT (min) | Return Loss (min) |
|--------------|---------------------------|-----------------------|--------------|-------------------------|----------------|-------------------|
| at 0.772 MHz | 1.8 | 76 | 74.2 | 70 | 67 | |
| at 1 MHz | 2.0 | 74.3 | 72.3 | 67.8 | 64.8 | 20.0 |
| at 4 MHz | 3.8 | 65.3 | 63.3 | 55.8 | 52.8 | 23.0 |
| at 8 MHz | 5.3 | 60.8 | 58.8 | 49.6 | 46.7 | 24.5 |
| at 10 MHz | 6.0 | 59.3 | 57.3 | 47.8 | 44.8 | 25.0 |
| at 16 MHz | 7.6 | 56.2 | 54.2 | 43.7 | 40.7 | 25.0 |
| at 20 MHz | 8.5 | 54.8 | 52.8 | 41.8 | 38.8 | 25.0 |
| at 25 MHz | 9.5 | 53.3 | 51.3 | 39.8 | 36.8 | 24.3 |
| at 31.25 MHz | 10.7 | 51.9 | 49.9 | 37.9 | 34.9 | 23.6 |
| at 62.50 MHz | 15.4 | 47.4 | 45.4 | 31.9 | 28.9 | 21.5 |
| at 100 MHz | 19.8 | 44.3 | 42.3 | 27.8 | 24.8 | 20.1 |
| at 200 MHz | 29.0 | 39.8 | 37.8 | 21.8 | 18.8 | 18.0 |
| at 250 MHz | 32.8 | 38.3 | 36.3 | 19.8 | 16.8 | 17.3 |

PACKINGS

Length 305 metre per box

Specifications subject to change without notice