CONNECTION
CABLING SYSTEMS

# CAT 6 UTP CABLE

## 1. Structure:

| Item | | Specification |
|---|---|---|
| **Conductor** | Size | 24 AWG x 4P with geometry separator |
| | Construction | Solid Bare Copper |
| | Cond. Diam. | 0.575 mm |
| **Insulation** | Average Thickness | 0.222 mm |
| | Minimal Thickness | 0.198 mm |
| | Diameter | 1.02 mm +/- 0.01 mm |
| | Material | PE |
| **Jacketing** | Average Thickness | 0.80 mm |
| | Minimal Thickness | 0.72 mm |
| | Outer Diameter | 7.20 mm +/- 0.30 mm |
| | Material | Anti-UV PVC (CMX) |
| | Color | Blue |

## 2. Wire Construction:

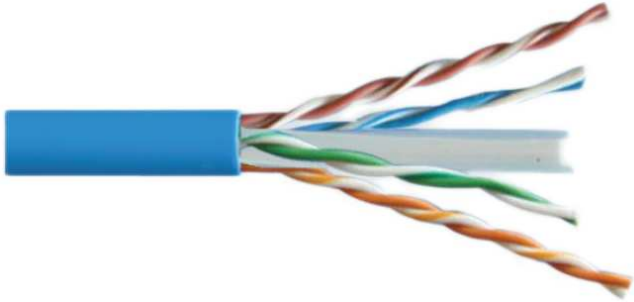
| Pair | Wire Arrangement |
|---|---|
| 1P | Blue / Blue * White |
| 2P | Orange / Orange * White |
| 3P | Green / Green * White |
| 4P | Brown / Brown * White |
| | |

## 3. Characteristic:

| | | |
|---|---|---|
| 1. Electrical Properties | | Refer to TIA/EIA-568B.2-1 |
| 2. Physical Properties | | |
| | (1) Insulation: | Tensile strength: 2400 psi |
| | (unaged) | Elongation: 300% |
| | (2) Jacket: | Tensile strength: 2000 psi |
| | (unaged) | Elongation: 100% |
| | (3) Flame: | VW-1 |
| 3. Conductor Resistance | | |
| | | 93.8 OHM/KM at 20° C Max |
| Spark Test: | | 1750 V AC |
| Dielectric Strength: | | 1500 V AC. 2S |
| | | |

## 4. Marking

Connection Cabling Solutions, UTP 4PR 24 AWG
ETL FT4 VERIFIED TO TIA / EIA-568B.2-1 & ISO/IEC 11801
ENHANCED CAT 6



## 5. Packing

**ORDER INFORMATION**

| Order Number | Description |
|---|---|
| **CUT-7403** | CAT-6 Cable UTP, 250MHz, Par 4-Balanced Tested 1000FT, BLUE |
| **CUT-8401** | CAT-6 Cable UTP, 250MHz, Par 4-Balanced Tested 1000FT, GREY |