

# 24AWGX4P UTP CAT5E

**Part NO:** UTP-CAT5E

**Product Description**

**Application:**  
Horizontal Wiring in LAN CABLE

**Reference Standard**

ISO/IEC 11801  
TIA/EIA568B

**Multi-construction**

**4 Pairs (8 Cores)**

**Cable Construction**

**Conductor** Solid Bare Copper  
AWG 24  
Conductor Dia. 0.480±0.005mm

**Insulation** Solid PE  
Thickness AVG: 0.19mm, MIN: 0.18mm  
Insulation Dia. 0.88±0.03mm

**Each Pair is twisted ,Unshielded**

**Polyester** NO  
**Filler** NO  
**AL/Pet** NO  
**Drain Wire** NO  
**Rip Cord** Yes

**Jacket** PE  
Thickness AVG: 0.50mm, MIN: 0.46mm  
Outer Dia. 5.0±0.30mm  
Jacket Color Black

**Color**  
**Insulation color are:**  
Blue, White/Blue  
Orange, White/Orange  
Green, White/Green  
Brown, White/Brown

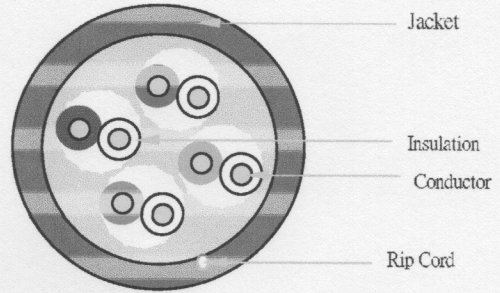
**Marking**  
According to customer

**Packaging**

305m/color box

**REMARK**

**Design**



**Performance**

| Frequency (MHz) | RL (dB) | Attenuation (dB/100m) | NEXT (dB) | ACR (dB) |
|-----------------|---------|-----------------------|-----------|----------|
|                 | min.    | max                   |           |          |
| 1               | 17.0    | 2.03                  | 62.30     | 60.30    |
| 4               | 18.8    | 4.04                  | 53.26     | 49.20    |
| 8               | 19.7    | 5.76                  | 48.75     | 43.00    |
| 10              | 20.0    | 6.46                  | 47.30     | 40.80    |
| 16              | 20.0    | 8.24                  | 44.30     | 36.10    |
| 20              | 20.0    | 9.26                  | 42.78     | 33.50    |
| 25              | 19.3    | 10.41                 | 41.33     | 30.90    |
| 31.25           | 18.6    | 11.72                 | 39.87     | 28.20    |
| 62.5            | 16.5    | 16.99                 | 35.36     | 18.40    |
| 100             | 15.1    | 21.97                 | 32.29     | 10.30    |

| Frequency (MHz) | ELFEXT (dB) | PSNEXT (dB) | PSELFEXT (dB/100m) | Impedance (Ohm) |
|-----------------|-------------|-------------|--------------------|-----------------|
| 1               | 60.75       | 62.30       | 60.75              | 100±15          |
| 4               | 48.71       | 53.26       | 48.71              |                 |
| 8               | 42.69       | 48.75       | 42.69              |                 |
| 10              | 40.75       | 47.30       | 40.75              |                 |
| 16              | 36.67       | 44.30       | 36.67              |                 |
| 20              | 34.73       | 42.78       | 34.73              |                 |
| 25              | 32.79       | 41.33       | 32.79              |                 |
| 31.25           | 30.86       | 39.87       | 30.86              |                 |
| 62.5            | 24.83       | 35.36       | 24.83              |                 |
| 100             | 20.75       | 32.29       | 20.75              |                 |

**Characteristics**

Max. Conductor DC Resistance at 20°C ( Ω /Km) <93.8  
 Rated Temperature(°C) 75  
 Rated Voltage(V) 300V  
 Velocity ratio 65%