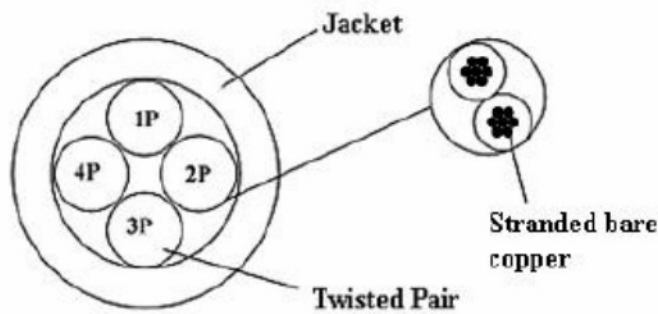


CATEGORY 5E UTP PATCH CABLE 4 PAIR



Construction

Twisted Pairs Color Code :

1. PAIR 1: Orange; White/Orange
2. PAIR 2: Blue; White/Blue
3. PAIR 3: Brown; White/Brown
4. PAIR 4: Green; White/Green

Component

1. Conductor: AWG 24 (Solid copper wire 0.2 x 7)
2. Insulators: HDPE (Min. Thickness 0.153; Min. Avg. thickness 0.178)
3. Insulators Diameter: 0.95 ± 0.01
4. Jacket: 75°C PVC (Min. Thickness 0.58; Min. Avg. thickness 0.46)
5. Jacket Diameter: 5.5 ± 0.15

Marking

Jyh Eng UTP PATCH CABLE 24AWG 4PR 75°C (UL) E178558 CM rated
EIA/TIA-568B.2 CAT.5E ETL Verified xxxxxxx-x
or customization

Physical Characters

Unaged:

1. Tensile strength: Polyolefin 2400PSI, Jacket (PVC) 2000PSI
2. Elongation: Polyolefin 300% min. Jacket (PVC) 100% min.

After Aging:

1. Tensile strength: Polyolefin 75%min. Jacket (PVC) 85% min.
2. Elongation: Polyolefin 75%min. Jacket (PVC) 50% min.

Electric Characters

1. Voltage rating: 30V
2. Temperature rating: 75 Degree Celsius
3. Spark test: DC 2.5 KV / 0.15 Sec. or AC 1.75KV / 0.15 Sec.
4. Dielectric strength: DC 2.5 KV / 0.15 Sec. or AC1.75 KV / 0.15 Sec.
5. Insulating resistance: 89.2 Ohms/km max.
6. Mutual Capacitance: 5.6 nF/100M max.
7. D-C Resistance Unbalance: 5% max.
8. Characteristic Impedance : 100±15 Ohms

| FREQ MHz | Attenuation (dB/100m) | NEXT (dB) | VOP % | PS-NEXT (dB) | ELFEXT (dB) | PSELFEXT (dB/100m) | RL (dB) | DELAY (ns/100m) |
|-------------|--------------------------|--------------|----------|-----------------|----------------|-----------------------|------------|--------------------|
| 1 | 2.4 | 65.3 | 63.0 | 62.3 | 63.0 | 60.8 | 20.0 | 570.0 |
| 4 | 4.9 | 56.3 | 51.0 | 53.3 | 51.7 | 48.7 | 23.0 | 552.0 |
| 8 | 7.0 | 51.8 | 45.0 | 48.8 | 45.7 | 42.7 | 24.5 | 546.7 |
| 10 | 7.8 | 50.3 | 43.0 | 47.3 | 43.8 | 40.8 | 25.0 | 545.4 |
| 16 | 9.8 | 47.3 | 38.0 | 44.4 | 39.7 | 36.7 | 25.0 | 543.0 |
| 20 | 11.1 | 45.8 | 35.0 | 42.8 | 37.7 | 34.7 | 25.0 | 542.0 |
| 25 | 12.5 | 44.3 | 32.0 | 41.3 | 35.8 | 32.8 | 24.2 | 541.2 |
| 31.25 | 14.0 | 42.9 | 29.0 | 39.9 | 33.9 | 30.9 | 23.3 | 540.4 |
| 62.50 | 20.4 | 38.4 | 18.0 | 35.4 | 27.8 | 24.8 | 20.7 | 538.6 |
| 100 | 26.4 | 35.3 | 9.0 | 32.3 | 23.8 | 20.8 | 19.0 | 538.0 |

