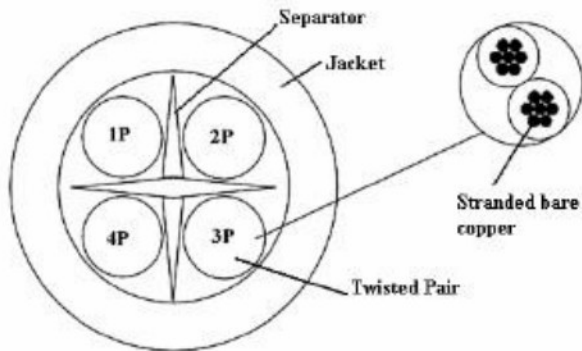


CATEGORY 6 LSOH UTP PATCH CABLE 4 PAIR



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 (Stranded copper wire 0.2 x 7)
2. Insulators: HDPE (Min. Thickness 0.153mm, Avg. thickness 0.178mm)
3. Insulators Diameter: 0.98 ± 0.01mm
4. Jacket: Min. Thickness 0.58mm, Min. Avg. thickness 0.46mm)
5. Jacket Diameter: 6.2 ± 0.15mm

Marking

Jyh Eng UTP PATCH CABLE 24AWG 4PR EIA/TIA-568B.2-1 CAT.6 ETL
Verified LSOH xxxxxxxx-x

or customization

Physical Characters

Unaged:

1. Tensile strength: Polyolefin 2100PSI, Jacket (LSOH) 2000PSI
2. Elongation: Polyolefin 300% min. Jacket (LSOH) 100% min.

After Aging:

1. Tensile strength: Polyolefin 75% min. Jacket (LSOH) 85% min.
2. Elongation: Polyolefin 75% min. Jacket (LSOH) 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: 5.8 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 | 74.3 | 58.5 | 72.3 | 67.8 | 64.8 | 20.0 | 570 |
| 4 | 4.6 | 65.3 | 60.4 | 63.3 | 55.8 | 52.8 | 23.0 | 552 |
| 8 | 6.4 | 60.8 | 61 | 58.8 | 49.7 | 48.7 | 24.5 | 546.7 |
| 10 | 7.2 | 59.3 | 61.1 | 57.3 | 47.8 | 44.8 | 25.0 | 545 |
| 16 | 9.1 | 46.2 | 61.4 | 54.2 | 43.7 | 40.7 | 25.0 | 543 |
| 20 | 10.2 | 54.8 | 61.5 | 52.8 | 41.8 | 38.8 | 25.0 | 542 |
| 25 | 11.4 | 53.3 | 61.6 | 51.3 | 39.8 | 36.8 | 24.2 | 541.2 |
| 31.25 | 12.8 | 51.9 | 61.7 | 49.9 | 37.9 | 34.9 | 23.3 | 540.4 |
| 62.5 | 18.5 | 47.4 | 61.9 | 45.4 | 31.9 | 28.9 | 20.7 | 538.6 |
| 100 | 23.8 | 44.3 | 62 | 42.3 | 27.8 | 24.8 | 19.0 | 538 |
| 200 | 34.8 | 39.8 | 62.1 | 37.8 | 21.8 | 18.8 | 16.4 | 536.5 |
| 250 | 39.4 | 38.3 | 62.1 | 36.3 | 19.8 | 16.8 | 15.6 | 536 |

