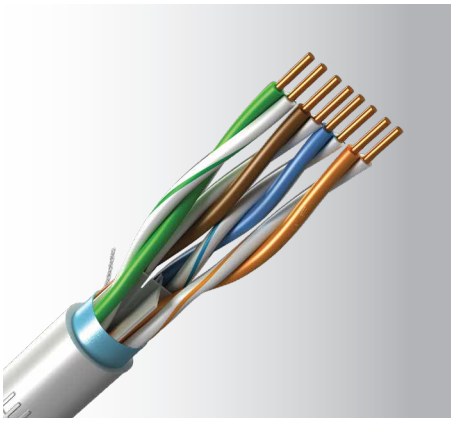
# LAN Cables

## Category 6 4 Pair

Model Code: F/UTP

KEYLAN

A Product of KEYSTONE CABLE



**Related Products**



Patch Panels (Page 23)

Patch Cords (Page 24)

Shielded Modular Jacks (Page 21)

| | |
|---|---|
| Application : | • High Speed Horizontal Cabling (250 MHz)<br>• 10/100/1000 Base-T<br>• 100 Mbps Fast Ethernet; 155/622 Mbps ATM; Gigabit Ethernet<br>• EMI Proof |
| Construction : | Solid bare copper, HDPE insulated, cross-web filler, aluminium/polyester tape with drain wire, RoHS compliant PVC, LSZH, or HDPE sheathed cable |
| Insulation colour : | • Blue & White/blue stripe<br>• Orange & White/orange stripe<br>• Green & White/green stripe<br>• Brown & White/brown stripe |
| Sheath colour : | Grey or Blue (RoHS compliant PVC), Orange (LSZH), Black (HDPE), or as per order |
| Specification : | ANSI/TIA-568.2-D, ISO/IEC 11801, IEC 61156-5 |
| Flame test : | UL 1581 (CMX), UL 1685 (CM), UL 1666 (CMR), IEC 60332-1-2 |
| LSZH test : | IEC 60754, IEC 61034-2 |

| **Part No.** | Conductor | Pair | Approx. Overall Diam. (mm) | Standard Length (m) | Approx. Weight (kg) | Packaging |
|---|---|---|---|---|---|---|
| **444P***06** | Solid Bare Copper (23 AWG) | 4 | 7.2 | 500 | 29.5 | Plywood Drum |

### Electrical Properties at 20˚C

| | |
|---|---|
| Conductor Resistance | ≤ 9.38Ω/100m |
| Resistance Unbalance | ≤ 5% |
| Mutual Capacitance | ≤ 5.6nF/100m |
| Capacitance Unbalance | ≤ 330pF/100m |
| Characteristics Impedance | 100 ± 15Ω |

### Electrical Data at 20˚C

| Frequency (MHz) | ATTENUATION Max. (dB/100m) | NEXT Min. (dB) | PSNEXT Min. (dB) | ELFEXT Min. (dB/100m) | PSELFEXT Min. (dB/100m) | RL Min. (dB) | DELAY Max. (ns/100m) | SKEW Max. (ns/100m) |
|---|---|---|---|---|---|---|---|---|
| 0.772 | 1.8 | 76.0 | 74.0 | 70.0 | 67.0 | - | - | - |
| 1 | 2.0 | 74.3 | 72.3 | 67.8 | 64.8 | 20.0 | 570 | 45 |
| 4 | 3.8 | 65.3 | 63.3 | 55.8 | 52.8 | 23.0 | - | - |
| 8 | 5.3 | 60.8 | 58.8 | 49.7 | 46.7 | 24.5 | - | - |
| 10 | 6.0 | 59.3 | 57.3 | 47.8 | 44.8 | 25.0 | 545 | 45 |
| 16 | 7.6 | 56.2 | 54.2 | 43.7 | 40.7 | 25.0 | - | - |
| 20 | 8.5 | 54.8 | 52.8 | 41.8 | 38.8 | 25.0 | - | - |
| 25 | 9.5 | 53.3 | 51.3 | 39.8 | 36.8 | 24.3 | - | - |
| 31.25 | 10.7 | 51.9 | 49.9 | 37.9 | 34.9 | 23.6 | - | - |
| 62.5 | 15.4 | 47.4 | 45.4 | 31.9 | 28.9 | 21.5 | - | - |
| 100 | 19.8 | 44.3 | 42.3 | 27.8 | 24.8 | 20.1 | - | - |
| 200 | 29.0 | 39.8 | 37.8 | 21.8 | 18.8 | 18.0 | - | - |
| 250 | 32.8 | 38.3 | 36.3 | 19.8 | 16.8 | 17.3 | 536 | 45 |