

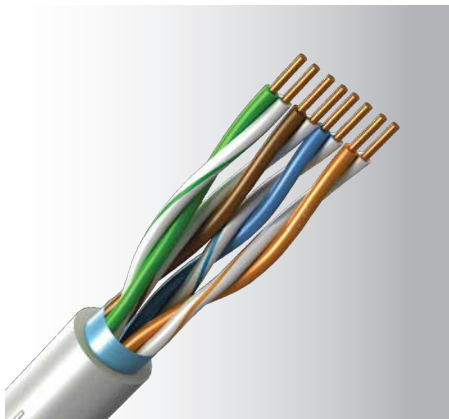
LAN Cables

Category 5e 4 Pair

Model Code: F/UTP



A Product of KEYSTONE CABLE



| | |
|---------------------|--|
| Application : | <ul style="list-style-type: none"> High Speed Horizontal Cabling (100 MHz) 10/100 Base-T 100 Mbps Fast Ethernet; 155 Mbps ATM EMI Proof |
| Construction : | Solid bare copper, HDPE insulated, aluminium/ polyester tape with drain wire, RoHS compliant PVC, LSZH, or HDPE sheathed cable |
| Insulation colour : | <ul style="list-style-type: none"> Blue & White/blue stripe Orange & White/orange stripe Green & White/green stripe 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. | Standard Length | Approx. Weight | Packaging |
|-----------|----------------------------|------|-----------------------|-----------------|----------------|-------------|
| | | | (mm) | (m) | (kg/305m) | |
| 434P***5E | Solid Bare Copper (24 AWG) | 4 | 6.4 | 305 | 13 | Reel in Box |

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 | ATTENUATION Max. | NEXT Min. | PSNEXT Min. | ELFEXT Min. | PSELFEXT Min. | RL Min. | DELAY Max. | SKEW Max. |
|-----------|------------------|-----------|-------------|-------------|---------------|---------|------------|-----------|
| (MHz) | (dB/100m) | (dB) | (dB) | (dB/100m) | (dB/100m) | (dB) | (ns/100m) | (ns/100m) |
| 0.772 | 1.8 | 67.0 | 64.0 | 66.0 | 63.0 | - | - | - |
| 1 | 2.0 | 65.3 | 62.3 | 63.8 | 60.8 | 20.0 | 570 | 45 |
| 4 | 4.1 | 56.3 | 53.3 | 51.7 | 48.7 | 23.0 | - | - |
| 8 | 5.8 | 51.8 | 48.8 | 45.7 | 42.7 | 24.5 | - | - |
| 10 | 6.5 | 50.3 | 47.3 | 43.8 | 40.8 | 25.0 | 545 | 45 |
| 16 | 8.2 | 47.3 | 44.3 | 39.7 | 36.7 | 25.0 | - | - |
| 20 | 9.3 | 45.8 | 42.8 | 37.7 | 34.7 | 25.0 | - | - |
| 25 | 10.4 | 44.3 | 41.3 | 35.8 | 32.8 | 24.3 | - | - |
| 31.25 | 11.7 | 42.9 | 39.9 | 33.9 | 30.9 | 23.6 | - | - |
| 62.5 | 17.0 | 38.4 | 35.4 | 27.8 | 24.8 | 21.5 | - | - |
| 100 | 22.0 | 35.3 | 32.3 | 23.8 | 20.8 | 20.3 | 538 | 45 |