



Category 3 Multipair Cables

Applications:

10Base-T, 100Base-T4

Standards:

ISO/IEC11801, ANSI/TIA/EIA-568-B

Product Construction Matrix:


| | | U/UTP | F/UTP |
|------------|---------------------|--------------------|--------------------------|
| Conductor | Material | Solid Plain Copper | Solid Plain Copper |
| | Stranding(No./mm) | 1/0.5 | 1/0.5 |
| | Gauge | 24AWG | 24AWG |
| Insulation | Material | PE | PE |
| | Diameter | 0.86 mm | 0.86 mm |
| Screen | Material | Nil | Aluminum /Polyester Tape |
| Drain Wire | Material | Nil | 1/0.5 mm |
| Assembly | No of Pairs | 25/50/100 | 25/50/100 |
| Jacket | Material | PE/PVC/LSF/LSZH | PE/PVC/LSF/LSZH |

Remark: PE- Polyethylene; PVC- Polyvinyl Chloride; LSF- Low Smoke & Fume; LSZH- Low Smoke Zero Halogen; LSFROH-Low Smoke Flame Retardant Zero Halogen (to IEC60332-3C); PVC can be classified as CMX, CM, CMR and CMP

Working Frequency:

1-16MHz

Product Certification:

E222756 

Technical Parameters:

- ☆ Characteristic Impedance: $100 \pm 15\Omega$
- ☆ Nominal Velocity of Propagation (NVP): 69%
- ☆ Maximum DC Resistance: 9.38 Ω /100m
- ☆ Maximum Resistance Unbalance: 5%
- ☆ Maximum Propagation Delay Skew: 30 ns/100m
- ☆ Maximum Propagation Delay: 536 ns/100m@100 MHz
- ☆ Minimum Bending radius: 10 x Overall Diameter
- ☆ Voltage Rating: 60V rms
- ☆ Maximum Pulling load: 80N
- ☆ Working Temperature: -20°C ~ +60°C
- ☆ Storage Temperature: -5°C ~ +50°C
- ☆ Flame Retardancy: UL 1581 (CM Jacket); UL 1666 (CMR Jacket); UL 910 (CMP Jacket); IEC 60332-1 (FRPVC & LSZH Jacket); IEC 60332-1 and IEC 60332-3C (LSFROH Jacket)



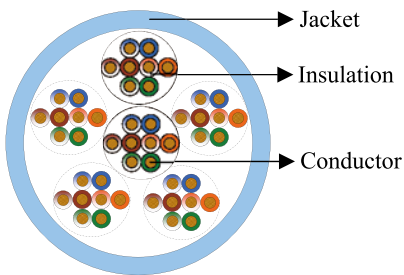
Product Categories:

| FREQ (MHz) | NEXT(dB/100m) | | | IL (dB/100m) | SRL(dB/100m) | | |
|------------|---------------|---------------|----------------|--------------|--------------|---------------|----------------|
| | Minmum Value | Typical Value | Standard Value | | Minmum Value | Typical Value | Standard Value |
| 1 | 43.0 | 48.0 | 41.0 | 2.6 | 13.0 | 16.0 | 12.0 |
| 4 | 34.0 | 38.0 | 32.0 | 5.6 | 13.0 | 16.0 | 12.0 |
| 8 | 29.0 | 33.0 | 26.0 | 8.5 | 13.0 | 16.0 | 12.0 |
| 10 | 28.0 | 33.0 | 26.0 | 9.8 | 13.0 | 16.0 | 12.0 |
| 16 | 25.0 | 30.0 | 23.0 | 13.1 | 11.0 | 14.0 | 10.0 |

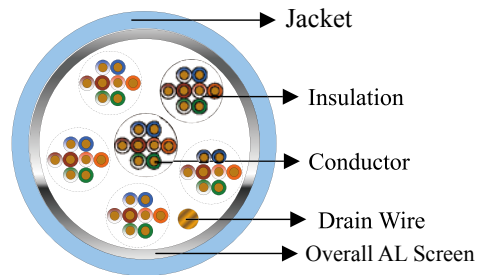


□ Product Highlights:

- ☆ Provide excellent bandwidth beyond 600 MHz.
- ☆ Support 10 Gigabit Ethernet application.
- ☆ Meet the strict flame retardancy and environmental requirements in Europe and US.
- ☆ Different jacket materials available for choice.



Cat3 U/UTP



Cat3 F/UTP

