

Category 5e UTP Cable - Stranded

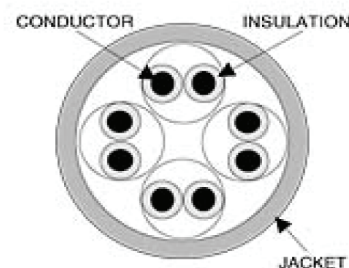
| Type | No. of Pairs | Conductor | Insulation Thickness | | Outer Diameter | | Jacket | Insulation |
|------------------|--------------|-----------|----------------------|--------|----------------|-------|--------|------------|
| | | | mm | Inch | mm | Inch | | |
| Horizontal Cable | 4 | 24AWG | 0.28 | 0.0110 | 5.4 | 0.212 | PVC | HDPE |
| Horizontal Cable | 4 | 24AWG | 0.28 | 0.0110 | 5.4 | 0.212 | LSOH | HDPE |

Standards:

- UL/CSA Listed CMR, CMP, LSOH
- UL and ETL verified to ANSI/TIA/EIA-568-B Category 5e
- ISO/IEC-11801
- NEMA WC 63.1

Application:

- ANSI X3T9.5 TP-PMD (FDDI)
- Proven support for Gigabit Ethernet/1000BASE-T/IEEE 802.3ab
- ATM PMD 155 Mbps
- IEEE 802.3 Fast Ethernet: 10 Base-T/100 Base-T4/100 Base-X
- IEEE 802.5: 4/16 Mbps Token Ring
- IEEE 802.12: 100 Base-VG



Electrical Properties:

- ISO/IEC 11801, TIA/EIA 568-A
- Impedance : $100\Omega \pm 15\%$
- Max. resistance unbalanced : 3% (5% TIA/EIA)
- Min. propagation Velocity : 0.65C
- Max. Mutual capacitance : $5.6\text{nF}/100\text{m}$
- Max. capacitance unbalance : $3400/3300\text{ pF}/\text{km}$ (ISO/IEC, TIA/EIA)
- Max. d.c. resistance : $9.38\Omega/100\text{m}$
- Max. d.c. loop resistance : $19.2\Omega/100\text{m}$
- Max. d.c. insulation resistance : $150\text{M}\Omega/\text{Km}$
- Max. propagation delay skew : $30\text{ns}/100\text{m}$

| Frequency (MHz) | Attenuation Max. dB/100m | Pr-Pr NEXT Min. dB \geq 100m | Power Sum NEXT Min. dB dB \geq 100m | ACR Min. dB | Pr-Pr FEXT Min. dB \geq 100m | Power Sum ELFEXT Min. dB dB/100m |
|-----------------|--------------------------|--------------------------------|---------------------------------------|-------------|--------------------------------|----------------------------------|
| .772 | 1.8 | 67.0 | 64.0 | 65.2 | 66.0 | 63.0 |
| 1 | 2.0 | 65.3 | 62.3 | 63.3 | 63.8 | 60.8 |
| 4 | 4.1 | 56.3 | 53.3 | 52.2 | 51.7 | 48.7 |
| 8 | 5.8 | 51.8 | 48.8 | 46.0 | 45.7 | 42.7 |
| 10 | 6.5 | 50.3 | 47.3 | 43.8 | 43.8 | 40.8 |
| 16 | 8.2 | 47.3 | 44.3 | 39.1 | 39.7 | 36.7 |
| 20 | 9.3 | 45.8 | 42.8 | 36.5 | 37.7 | 34.7 |
| 25 | 10.4 | 44.3 | 41.3 | 33.9 | 35.8 | 32.8 |
| 31.25 | 11.7 | 42.9 | 39.9 | 31.2 | 33.9 | 30.9 |
| 62.5 | 17.0 | 38.4 | 35.4 | 21.4 | 27.8 | 24.8 |
| 100 | 22.0 | 35.3 | 32.3 | 13.3 | 23.8 | 20.8 |

5^{CAT}e UTP

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