

Category 5e UTP Cable - Stranded

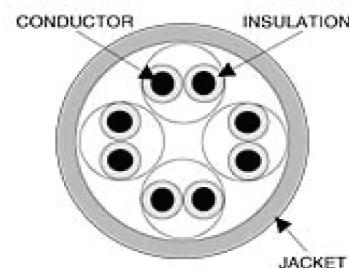
Type	No. of Pairs	Conductor	Insulation Thickness		Outer Diameter		Jacket	Insulation
			mm	Inch	mm	Inch		
Horizontal Cable	4	24AWG	0.28	0.0110	5.4	0.212	PVC	HDPE
Horizontal Cable	4	24AWG	0.28	0.0110	5.4	0.212	LSOH	HDPE

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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