

Category 5E UTP Stranded Cable

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Category 5e cabling solution supports the operation of 1000 BASE-T over 100 meters and are qualified for frequency up to 550 MHz. It provides bandwidth required for multi-media, broadband video, analog video and other future applications.

Application

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

Standard Compliances

- All Category 5e Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards
- ANSI/TIA-568-C.2 Cat.5e
- ISO/IEC 2nd Edition 11801 Class D
- CENELEC EN 50173-1
- IEC 61156-6, CENELEC EN 50288-3-2 for patch cable
- Flame Retardancy is Verified According to IEC 60332-1-2
- We Implemented RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC



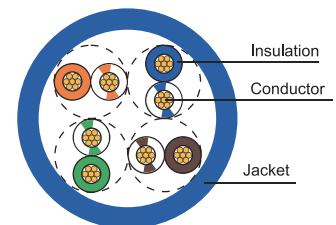
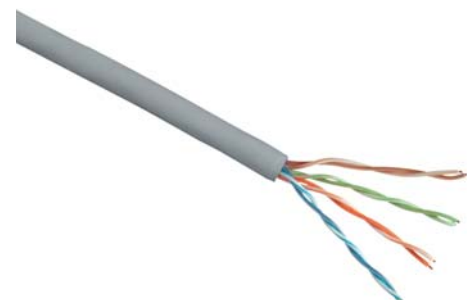
ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation		2850 V dc / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ·Km		
Conductor Resistance		Max. 9.38 Ω/100m at 20°C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	772kHz	102Ω ± 15%		
	1~125MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max. Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
	1 MHz	2.0*	65.3*	62.3*
	4 MHz	4.1*	56.3*	53.3*
	8 MHz	5.8*	51.8*	48.8*
	10 MHz	6.5*	50.3*	47.3*
	16 MHz	8.2*	47.2*	44.2*
	20 MHz	9.3*	45.8*	42.8*
	25 MHz	10.4*	44.3*	41.3*
	31.25 MHz	11.7*	42.9*	39.9*
	62.5 MHz	17.0*	38.4*	35.4*
	100 MHz	22.0*	35.3*	32.3*
125 MHz	24.9*	33.8*	30.8*	

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula:

$$NEXT(f \text{ MHz}) \geq NEXT(0.772) - 15 \log_{10}(f \text{ MHz} / 0.772) \text{ dB}$$

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Structured Cabling Division
15 Years Performance Warranty



BC1100901X

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X*: 1=Black ● 2=Blue ● 3=Green ● 4=Grey ● 5=Orange ● 6=Red ● 8=White ○ 9=Yellow ● PU=Purple ●

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Marking: CAT.5E UTP PATCH ETL/3P VERIFIED TO ANSI/TIA-568-C.2 & ISO/IEC 11801 ED.2 & EN 50288-3-2 & IEC 60332-1-2 24AWGX4P CM(UL) c(UL) E164469-XX