Cat 5E UTP 24AWG 100MHz Cable

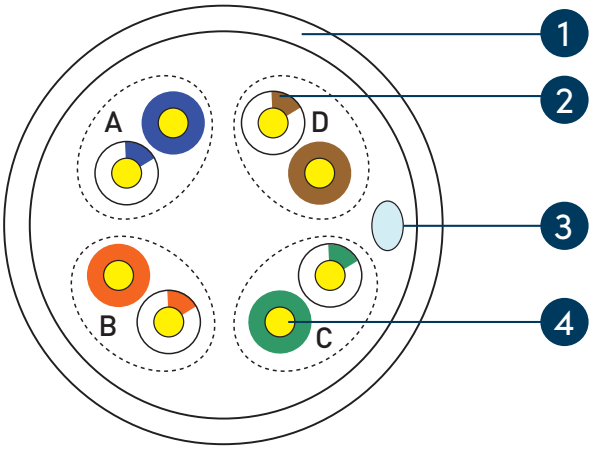
CAT5E 24P Plus Series

Prolink CAT5E 24P Plus Series cable are designed for your LAN networking needs, used for setup of 10 Base-T, 100 Base-TX or 1000 Base-TX network.

- Transmission bandwidth of 100 MHz
- Provides a higher signal-to-noise ratio
- Allows higher reliability and higher data rates

The **Prolink CAT5E 24P Plus Series** cable meet the requirements of TIA/EIA-568A/568B & ISO 11801.

Cable Construction Illustration



UTP CAT 5E	Insulation Colour
1. PVC Sheath	A.White/Blue Stripe & Blue
2. Insulation	B.White/Orange Stripe & Orange
3. Rip Cord	C.White/Green Stripe & Green
4. Conductor	D.White/Brown Stripe & Brown

Specifications

Model		CAT5E 24P Plus Series
Construction	Conductor	24 AWG (4 pair)
	Conductor Diameter	0.51±0.01mm
	Insulation	High Density Polyethylene
	Insulation Diameter	0.93±0.02mm
	Pairs	2 Insulated conductors twisted together
	Cable Diameter	5.1±0.15mm
	Printing	Each meter printed with sequential length counter
	Jacket Nominal Wall Thickness	0.7±0.01mm
	Insulation Nominal Wall Thickness	0.2mm
Electrical Properties	Characteristic Impedance	64kHz: 125Ω±20%
		1~250MHz: 100Ω±15%
	Conductor Resistance	MAX 18Ω/100m at 20°C
	Insulation Resistance	MIN 150MΩ/KM
	Mutual Capacitance	MAX 5600pf/100M
	Resistance Unbalance	MAX 5%
	Capacitance Unbalance	MAX 300pf/100M
Colour Code	Pair No.	Colour
	A	White/Blue Stripe & Blue
	B	White/Orange Stripe & Orange
	C	White/Green Stripe & Green
	D	White/Brown Stripe & Brown
Mechanical Properties	Operating Temperature Range	- 20°C to + 75°C
Packing	Easy-pull boxes/Cable length of 305M	

CAT5E 24P Plus Series Transmission Characteristics			
Frequency (MHz)	**Insertion Loss (dB/100m)**	**NEXT (dB)**	**PSNEXT (dB)**
1	2.0*	81.7*	78.4*
4	4.1*	69.0*	67.5*
10	6.5*	67.6*	66.0*
16	8.2*	65.2*	62.5*
20	9.2*	62.0*	58.7*
31.25	11.7*	62.1*	58.3*
62.5	17.0*	54.8*	51.7*
100	22.0*	50.0*	49.3*

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(fMHZ)>NEXT(0.722)-15LOG10(fMHZ/0.772)

Ver1.0_5.05.2023

Authorised Distributor/ Reseller: