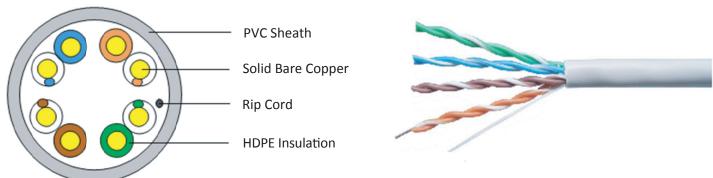
## **CONNECSYS**

## **Category 5E UTP Cable**

## Description

24 AWG Solid Bare Copper Conductor, Non-Plenum, High-Density Polyethylene (HDPE) Insulation, Rip Cord, Twisted Pairs, PVC Jacket.



**Suitable Applications** 

Premise Horizontal Cable, Fast Ethernet 100BASE-Tx, 10/100BASE-Tx, token ring, 100BaseVG ANYLAN, 155 Mbps ATM, 622ATM, 100 Mbps TP-PMD, ISDN, Analog and Digital Video and Analog and Digital Voice (VoIP)

Physical Characteristic											
<ul><li>Number of Pairs</li></ul>	4	<ul> <li>Stranding</li> </ul>	Solid	Rip Cord	Yes						
• AWG	24	<ul> <li>Conductor</li> </ul>	Solid Bare Copper	Nominal Diameter	5.10 ± 0.40mm						
Detailed Specifications											
Insulation Material			High-Density Polyethylene (HDPE)								
Outer Shield Material			Unshielded								
Outer Jacket Material			Polyvinyl Chloride (PVC), complies to RoHS								
Compliances			ISO/IEC 11801, TIA/EIA-568 C.2, YD/T 1019								
Mechanical Character	ristics										
Operating Temperatu	ire Range		-20°C to +80°C								
Flame Test			Type CM								
Sheath Average Tensi	le Strength		13 Mpa								
Electricals Characteristics @ 20°C											
1.0 – 100.0 MHz Impe	edance		$100 \pm 15 \Omega$								
1.0 – 100.0 MHz Delay	y Shew		≤ 45 ns/100m								
Maximum DC Resistar	nce		9.5 Ω/100m								
Maximum DC Conduc	tor Resistance	Unbalance	5%								
<b>Technical Performance</b>	ces @ 20°C										

Technical Performances @ 20°C										
Frequency	Return Loss	Attenuation	NEXT	Phase Delay	PSNEXT	ELFEXT	PSELFEXT			
MHz	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dB			
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8			
4	23.0	4.1	56.3	552.00	53.3	51.8	48.8			
8	24.5	5.8	51.8	546.73	48.8	45.7	42.7			
10	25.0	6.5	50.3	545.38	47.3	43.8	40.8			
16	25.0	8.2	47.2	543.00	44.4	39.7	36.7			
20	25.0	9.3	45.8	542.05	42.8	37.8	34.8			
25	24.3	10.4	44.3	541.20	41.3	35.8	32.8			
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9			
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9			
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8			

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