

## **CONVERGENT CONNECTIVITY TECHNOLOGY**

## **CAT5ENP4AM**

Description:	Unshielded four twiste	ed pair Category 5e Er	e Enhanced Horizontal Cable with a PVC jacket.					
Standards/Listings:	ANSI/TIA/EIA 568B.2.1 Category 5e Swept to 350 MHz, ISO/EIC 11801 Category 5e, NEC Article 800, UL 1666: CMR Riser, ETL Electrically Verified to ANSI/TIA/EIA 568B.2.1 Category 5e, C(ETL)US CMR, RoHS Compliant							
Applications:	Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited as 622 ATM. Wideband, and Ethernet 10000BASE-T.							
	CON	NSTRUCTION						
Conductor:			24 AWG Solid Bare Copper					
Number of Conductors	s or Pairs:	4 Pair						
Jacket Material:		Polyvinyl Chloride						
Nominal Overall Cable	e Diameter:	0.185 inch (4.699 mm)	0.185 inch (4.699 mm)					
Approximate Cable W	eight:	20 lb/1,000 ft.						
ELECTRICAL & PHYSICAL PROPERTIES								
Temperature Rating:		$\checkmark$	Installation: 0°C to 50°C Operation: -20°C to 60°C					
Velocity of Propagation	n:	$\rangle$	70%					
Mutual Capacitance:			14 pF/ft Nominal					
Capacitance Unbalance 330 pF/ft maximum								
<b>Maximum Conductor D.C.R.:</b> ) 28.6Ω/1,000 ft								
Maximum D.C.R. Unbalance: 3%								
Maximum Delay Skew:		15.0ns/100m						
Maximum Propagation	Delay Skew:		5.7ns/100m					
Characteristic Impedar	From	m 0.772 MHz — 100 M m 100 MHz — 250 MH m 201 MHz—350 MHz	$12  100 \pm 22\%$					
Maximum Installing Te	ension:		25 lb					
Minimum Bending Rad	lius:		1.0 inch					
Insulation Colors:			Blue paired with White/Blue Orange paired with White/Orange Brown paired with White/Brown Green paired with White/Green					
	Issue Date: N		ion: 1 IPPLY CHAIN ROHS & ID	s				

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# **CT PRODUCT SPECIFICATIONS**

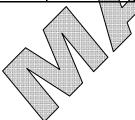
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### **ELECTRICAL CHARACTERISTICS**



<b>Frequency</b>	<u>SRL</u>	<u>Return Loss</u>	<b>Attenuation</b>	PS-NEXT	<u>NEXT</u>	<u>ELFEXT</u>	PS-ELFEXT
MHz	<u>dB</u>	<u>dB</u>	<u>dB (100m)</u>	<u>dB</u>	<u>dB</u>	<u>dB</u>	<u>dB</u>
	<u>Minimum</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Minimum</u>	<u>Minimum</u>	<u>Minimum</u>
1	23.0	20.0	2.0	68.3	70.3	63.8	60.8
4	23.0	20.3	4.0	59.3	61.3	51.7	48.7
10	23.0	25.0	6.4	53.3	55.3	43.8	40.8
16	23.0	25.0	8.2	50.3	52.3	39.7	36.7
20	23.0	25.0	8.2	48.8	50.8	37.7	34.7
31.25	21.5	23.6	117	45.9	47.9	33.9	30.9
62.5	18.1	21.5	16,9	41.4	43.4	27.8	24.8
100	16.0	20:1	21.9	38.3	40.3	23.8	20.8
250	12.0	173	36.8	32.3	34.3	15.8	12.8
300	11.2	16.8	40.9	31.2	33.2	14.2	11.2
350	10.6	6.3	44.8	30.2	32.2	12.9	9.9



Issue Date: March '13 Revision: 1



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