



# PRODUCT SPECIFICATIONS

**CONVERGENT  
CONNECTIVITY  
TECHNOLOGY**

## CAT3P25

- Description:** Unshielded twenty-five twisted pair Category 3 Horizontal Cable with a flame retardant low smoke PVC jacket.
- Standards/Listings:** NEC Article 800, UL Subject 444, Type CMP, C(ETL)US, RoHS Compliant
- Applications:** Supports all category 3 applications including 10BASE-T, 4/16 Mbps Token Ring, 25.6 Mbps ATM.

### CONSTRUCTION

- Conductor:** 24 AWG Solid Bare Copper
- Number of Conductors or Pairs:** 25 Pair
- Jacket Material:** Flame Retardant Low Smoke Polyvinyl Chloride
- Nominal Overall Cable Diameter:** 0.380 inch (9.652 mm)
- Approximate Cable Weight:** 112 lb/1,000 ft.

### ELECTRICAL CHARACTERISTICS

<u>Frequency</u>	<u>SRL</u>	<u>NEXT</u>	<u>Insertion Loss</u>	<u>ACR</u>
<u>MHz</u>	<u>dB</u>	<u>dB</u>	<u>dB/100 m</u>	<u>dB</u>
	<u>Minimum</u>	<u>Minimum</u>	<u>Minimum</u>	<u>Minimum</u>
1	12.0	41.3	2.6	38.7
4	12.0	32.3	5.6	26.7
8	12.0	27.8	8.5	19.3
10	12.0	26.3	9.7	16.6
16	10.0	23.2	13.1	10.1

Issue Date: April '10 Revision: 1

**THE STRONGEST LINK IN YOUR SUPPLY CHAIN**



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### ELECTRICAL & PHYSICAL PROPERTIES

<b>Temperature Rating:</b>	-2°C to +60°C
<b>Velocity of Propagation:</b>	72%
<b>Mutual Capacitance:</b>	18.7 pF/ft Nominal
<b>Capacitance Unbalance:</b>	330 pF/100m maximum
<b>Maximum Conductor D.C.R.:</b>	28.6Ω/1,000 ft
<b>Maximum Delay Skew:</b>	45.0ns/100m
<b>Characteristic Impedance:</b>	From 0.772 MHz — 16 MHz      100 ± 15Ω
<b>Insulation Colors:</b>	

- White/Blue paired with Blue/White
- White/Orange paired with Orange/White
- White/Green paired with Green/White
- White/Brown paired with Brown/White
- White/Gray paired with Gray/White
- Red/Blue paired with Blue/Red
- Red/Orange paired with Orange/Red
- Red/Green paired with Green/Red
- Red/Brown paired with Brown/Red
- Red/Gray paired with Gray/Red
- Black/Blue paired with Blue/Black
- Black/Orange paired with Orange/Black
- Black/Green paired with Green/Black
- Black/Brown paired with Brown/Black
- Black/Gray paired with Gray/Black
- Yellow/Blue paired with Blue/Yellow
- Yellow/Orange paired with Orange/Yellow
- Yellow/Green paired with Green/Yellow
- Yellow/Brown paired with Brown/Yellow
- Yellow/Gray paired with Gray/Yellow
- Purple/Blue paired with Blue/Purple
- Purple/Orange paired with Orange/Purple
- Purple/Green paired with Green/Purple
- Purple/Brown paired with Brown/Purple
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