



PRODUCT SPECIFICATIONS

**CONVERGENT
CONNECTIVITY
TECHNOLOGY**

CAT3NP25

- Description:** Unshielded twenty-five twisted pair Category 3 Horizontal Cable with a PVC jacket.
- Standards/Listings:** NEC Article 800, UL Subject 444, Type CMR, 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:** 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: 2

THE STRONGEST LINK IN YOUR SUPPLY CHAIN



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Page 1 of 2

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ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	-20°C to +60°C
Velocity of Propagation:	70%
Mutual Capacitance:	18.7 pF/ft Nominal
Capacitance Unbalance:	330 pF/100m maximum
Maximum Conductor D.C.R.:	28.6Ω/1,000 ft
Maximum Delay Skew:	45.0ns/100m
Characteristic Impedance:	From 0.772 MHz — 16 MHz 100 ± 15Ω
Insulation Colors:	<ul style="list-style-type: none"> White/Blue paired with Blue/White White/Orange paired with Orange/White White/Brown paired with Brown/White White/Green paired with Green/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 Purple/Gray paired with Gray/Purple

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