



# PRODUCT SPECIFICATIONS

**CONVERGENT  
CONNECTIVITY  
TECHNOLOGY**

## CAT3NP2

- Description:** Unshielded two 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:** 2 Pair
- Jacket Material:** Polyvinyl Chloride
- Nominal Overall Cable Diameter:** 0.150 inch (3.810 mm)
- Approximate Cable Weight:** 12 lb/1,000 ft.

### 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:** White/Blue paired with Blue  
White/Orange paired with Orange

### 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

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