



PRODUCT SPECIFICATIONS

**CONVERGENT
CONNECTIVITY
TECHNOLOGY**

CAT3NP3

- Description:** Unshielded three twisted pair Category 3 Horizontal Cable with a 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:	3 Pair
Jacket Material:	Polyvinyl Chloride
Nominal Overall Cable Diameter:	0.152 inch (3.860 mm)
Approximate Cable Weight:	15 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 White/Green paired with Green

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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