



PRODUCT SPECIFICATIONS

**CONVERGENT
CONNECTIVITY
TECHNOLOGY**

CAT3NP4

Description: Unshielded four 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: 4 Pair

Jacket Material: Polyvinyl Chloride

Nominal Overall Cable Diameter: 0.176 inch (4.470 mm)

Approximate Cable Weight: 18 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
White/Brown paired with Brown

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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THE STRONGEST LINK IN YOUR SUPPLY CHAIN

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