



PRODUCT SPECIFICATIONS

**CONVERGENT
CONNECTIVITY
TECHNOLOGY**

CAT3P6

- Description:** Unshielded six 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:** 6 Pair
- Jacket Material:** Flame Retardant Low Smoke Polyvinyl Chloride
- Nominal Overall Cable Diameter:** 0.199 inch (5.054 mm)
- Approximate Cable Weight:** 27 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: 0

THE STRONGEST LINK IN YOUR SUPPLY CHAIN



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ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	-2°C to +60°C
Velocity of Propagation:	72%
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 White/Gray paired with Gray Red/Blue paired with Blue

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