



PRODUCT SPECIFICATIONS

**CONVERGENT
CONNECTIVITY
TECHNOLOGY**

CAT3NP6

Description: Unshielded six 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: 6 Pair

Jacket Material: Polyvinyl Chloride

Nominal Overall Cable Diameter: 0.199 inch (5.054 mm)

Approximate Cable Weight: 26 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



PHONE: 866-905-6744
FAX: 845-651-3564

Page 1 of 2

PO BOX 454
FLORIDA, NY 10921

techsupport@cctcable.com

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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: | 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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