



Category 3 6 Pair 16 MHz Non-Plenum

ETL listed for guaranteed performance
Made in the USA

Part No.: 3A246UTP

Applications:

This document establishes the specifications for a non-plenum rated, six pair unshielded, 100 Ohm, data cable. This cable supports LAN applications utilizing bandwidth up to 16 MHz, Ethernet, linking multiple workstations.

Construction Details:

Conductor: 24AWG Solid Bare Copper
Insulation Material: Polyvinyl Chloride.
Number of Unshielded Pairs: 6
Jacket Material: Polyvinyl Chloride

Technical Details:

Temperature Rating	Operation	-20°C to +60°C
Nominal Diameter:		0.213 in

Electricals:

Mutual Capacitance: 18.7 pF/ft., Nominal
Characteristic Impedance: 100 ± 15% (measured from 1 to 16 MHz)
Conductor D.C.R.: 28.6Ω/1000 ft., Maximum
Maximum Attenuation per 100 meters:
 2.2 dB @ .772 MHz 8.5 dB @ 8.0 MHz
 2.6 dB @ 1.00 MHz 9.7 dB @ 10.0 MHz
 5.6 dB @ 4.00 MHz 13.1 dB @ 16.0 MHz
 Minimum NEXT per 100 meters:
 43.0 dB @ .772 MHz 28.0 dB @ 8.0 MHz
 41.0 dB @ 1.00 MHz 26.0 dB @ 10.0 MHz
 32.0 dB @ 4.00 MHz 23.0 dB @ 16.0 MHz

Standards:

- TIA/EIA 568C.2 Category 3
- National Electric Code – Article 800

Codes & Listings:

- CMR Rating FT4
- C(ETL)US CMR

Color Code:

Pair Number	Color Combination
1	White/Blue paired with Blue/White
2	White/Orange paired with Orange/White
3	White/Green paired with Green/White
4	White/Brown paired with Brown/White
5	White/Slate paired with Slate/White
6	Red/Blue paired with Blue/Red

Preparation for Shipment:

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.



Issue Date: 11/10
Revision: 2

This product is RoHS compliant to directive 2002/95/EC .

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It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.