

## NEW PRODUCT RELEASE



# UTP Category-3 Bulk Cable

- Voice Grade Communications Cable
- Suitable for Telephony and Security Systems
- Suitable for Indoor Installations
- AWG24 Solid Annealed Bare Copper Conductors
- Flame Retardant PVC Jacket
- Excellent Return Loss and Insertion Loss Characteristics
- UL/cUL, CSA, ETL Listed
- Supplied in 1000' Pull Boxes



300-745 4-Pair  
300-746 3-Pair  
300-747 2-Pair

## Product Description

This commercial-grade UTP Category-3 cable is manufactured by Steren for use as wiring for indoor telephony and security systems. It can be used as a low cost alternative for voice systems and in applications where data will not be transmitted. The cable, which is available in 4-pair, 3-pair and 2-pair types, features AWG24 solid annealed bare copper conductors and flame retardant PVC jackets. Each cable is UL/cUL, CSA and ETL listed.

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## SPECIFICATIONS

# UTP Category-3 Bulk Cable



300-745 4-Pair



300-746 3-Pair



300-747 2-Pair

### Mechanical Construction

#### Outer Jacket

PVC

Outer Diameter  $5.4 \pm 0.3\text{mm}$  (300-745);

$3.9 \pm 0.3\text{mm}$  (300-746 and 300-347)

#### Wire Insulation

Polyethylene Construction

Outer Diameter  $0.93 \pm 0.05\text{mm}$

#### Conductor Color Code

300-745: Blue, Blue/White  
Orange, Orange/White  
Green, Green/White  
Brown, Brown/White

300-746: Blue, Blue/White  
Orange, Orange/White  
Green, Green/White

300-747: Blue, Blue/White  
Orange, Orange/White

#### Wire

Copper, Solid

Outer Diameter:  $0.511 \pm 0.04\text{mm}$  (AWG24)

### Electrical Properties

Characteristic Impedance (2nd Order, Open/Short):

85 Ohms min. @ 15.78MHz; 115 Ohms max. @ 1MHz

Return Loss: 12dB min. @ 1.12MHz

Insertion Loss: 2.55dB max. @ 1.00MHz

Near End Cross Talk (NEXT): 27.4dB min. @ 8.34MHz

Conductor Resistance: 9.38 Ohms max./100m

Unbalanced Resistance: 5.00% max.

Mutual Capacitance: 5.60nF max./100m @ 1kHz

Capacitance Unbalance to Ground:

330pF max./100m @ 1kHz

NEC Type CM

UL Listing E197429

### Related Products

**993-650** Precision Stripper and Cutter

**993-750** Telecom Cable Stripper and Cutter

**300-650** Impact Punch-Down Tool

**Packaging:** The UTP Category-3 cables are supplied in 1000-ft. pull boxes.

### Ordering Information:

**300-745** 4-Pair UTP Category-3 Cable

**300-746** 3-Pair UTP Category-3 Cable

**300-747** 2-Pair UTP Category-3 Cable

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