

# TX3000™ Category 3 Multi-Pair UTP Cable

# PANDUIT®

SPECIFICATION SHEET

## specifications

Cable shall meet ANSI/TIA-568-C.2 Category 3 component standards. The conductors shall be 24 AWG copper construction with PE insulation. The copper conductors shall be twisted in pairs and all pairs shall be covered by a low smoke zero halogen (LSZH) or flame retardant PVC (CM) jacket. Multi-pair cables shall be available in 25, 50, and 100-pair construction.



### TX3000™ Multi-Pair UTP Copper Cable

<b>LSZH:</b>	PUL3025WH-A PUL3050WH-A PUL30100WH-A
<b>CM:</b>	PUC3025WH-A PUC3050WH-A PUC30100WH-A

## technical information

**Electrical performance:** Certified channel performance in a 4-connector configuration up to 100 meters and meets or exceeds the requirements of ISO 11801 Class C and ANSI/TIA-568-C.2 Category 3 standards at swept frequencies up to 16 MHz  
Certified component performance up to 100 meters and meets or exceeds the component requirement of the ANSI/TIA-568-C.2 Category 3 standards at swept frequencies up to 16 MHz

**Cable diameter:**  
25-pair: 12.0mm (0.472 in.) nominal  
50-pair: 14.0mm (0.551 in.) nominal  
100-pair: 21.0mm (0.827 in.) nominal

**Conductors/insulators:** 24 AWG solid copper insulated with PE

**Flame rating:**  
CM – UL 1685  
LSZH – IEC 60332-1, IEC 61034-1 and -2, and IEC 60754-2  
PUL3025WH-A - EN 50575: Euroclass Dca-s2-d2-a1

**Installation tension:** 25 lbf. (110N) maximum

**Temperature rating:** 0°C to 50°C (32°F to 122°F) during installation  
-20°C to 60°C (-4°F to 140°F) during operation

**Cable jacket:**  
CM – PVC  
LSZH – Low Smoke Zero Halogen

**Cable weight:**  
25-pair CM – 45kg/305m (99 lbs./1000 ft.)  
50-pair CM – 81kg/305m (178 lbs./1000 ft.)  
100-pair CM – 160kg/305m (352 lbs./1000 ft.)  
25-pair LSZH – 43kg/305m (96 lbs./1000 ft.)  
50-pair LSZH – 80kg/305m (177 lbs./1000 ft.)  
100-pair LSZH – 158kg/305m (349 lbs./1000 ft.)

**Packaging:**  
25-pair CM – 70kg/305m (154 lbs./1000 ft.)  
50-pair CM – 123kg/305m (271 lbs./1000 ft.)  
100-pair CM – 225kg/305m (496 lbs./1000 ft.)  
25-pair LSZH – 68kg/305m (151 lbs./1000 ft.)  
50-pair LSZH – 122kg/305m (269 lbs./1000 ft.)  
100-pair LSZH – 223kg/305m (493 lbs./1000 ft.)  
Packaged on a reel  
Packaged tested to ISTA Procedure 1B

## key features and benefits

**Descending length cable markings** Easy identification of remaining cable reduces installation time and cable scrap

**Easy payout reel** Ensures proper performance and provides quick installation; supplied 305m (1000 ft.) on a reel

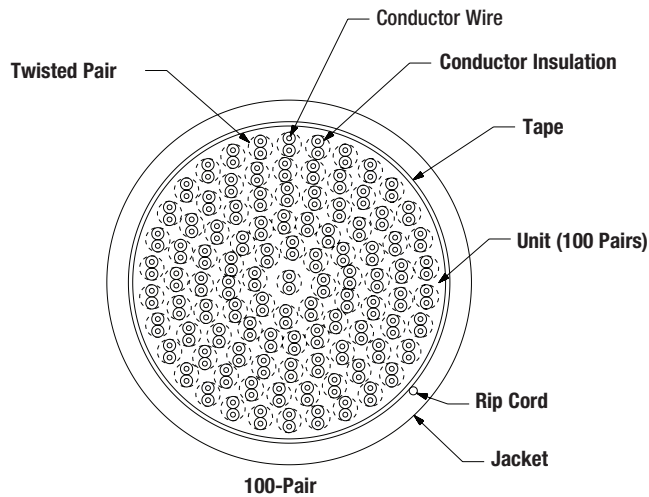
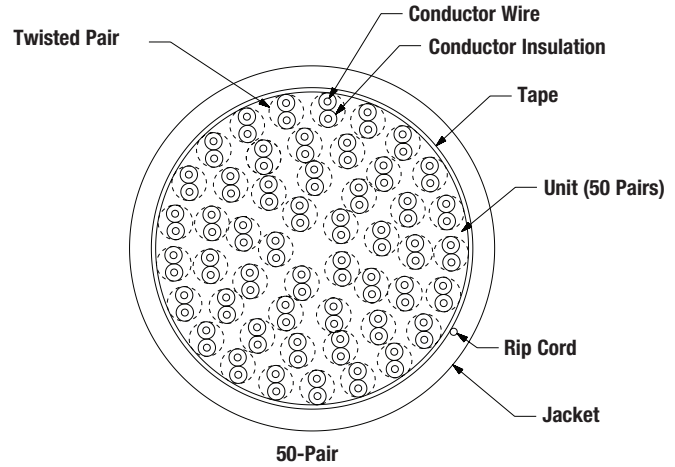
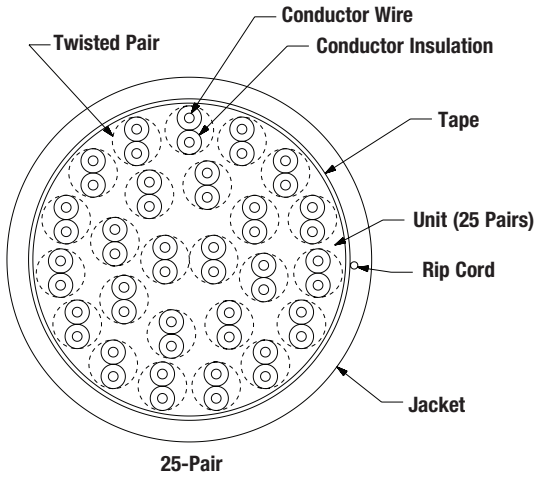
## applications

TX3000™ UTP Copper Cable will support the following applications:

- Ethernet 10BASE-T
- Voice

# TX3000™ Category 3 Multi-Pair UTP Cable

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	25-pair – 50mm (1.9 in.)
	50-pair – 60mm (2.3 in.)
	100-pair – 80mm (3.1 in.)
Electrical Test	
Nominal Velocity of Propagation (NVP)	69%



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