

# TX3000™ Category 3 Multi-Pair UTP Cable

## 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

<b>Electrical performance:</b>	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
<b>Cable diameter:</b>	25-pair: 12.0mm (0.472 in.) nominal 50-pair: 14.0mm (0.551 in.) nominal 100-pair: 21.0mm (0.827 in.) nominal
<b>Conductors/insulators:</b>	24 AWG solid copper insulated with PE
<b>Flame rating:</b>	CM – UL 1685 LSZH – IEC 60332-1, IEC 61034-1 and -2, and IEC 60754-2
<b>Installation tension:</b>	25 lbf. (110N) maximum
<b>Temperature rating:</b>	0°C to 50°C (32°F to 122°F) during installation -20°C to 60°C (-4°F to 140°F) during operation
<b>Cable jacket:</b>	CM – PVC LSZH – Low Smoke Zero Halogen
<b>Cable weight:</b>	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.)
<b>Packaging:</b>	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

<b>Descending length cable markings</b>	Easy identification of remaining cable reduces installation time and cable scrap
<b>Easy payout reel</b>	Ensures proper performance and provides quick installation; supplied 305m (1000 ft.) on a reel

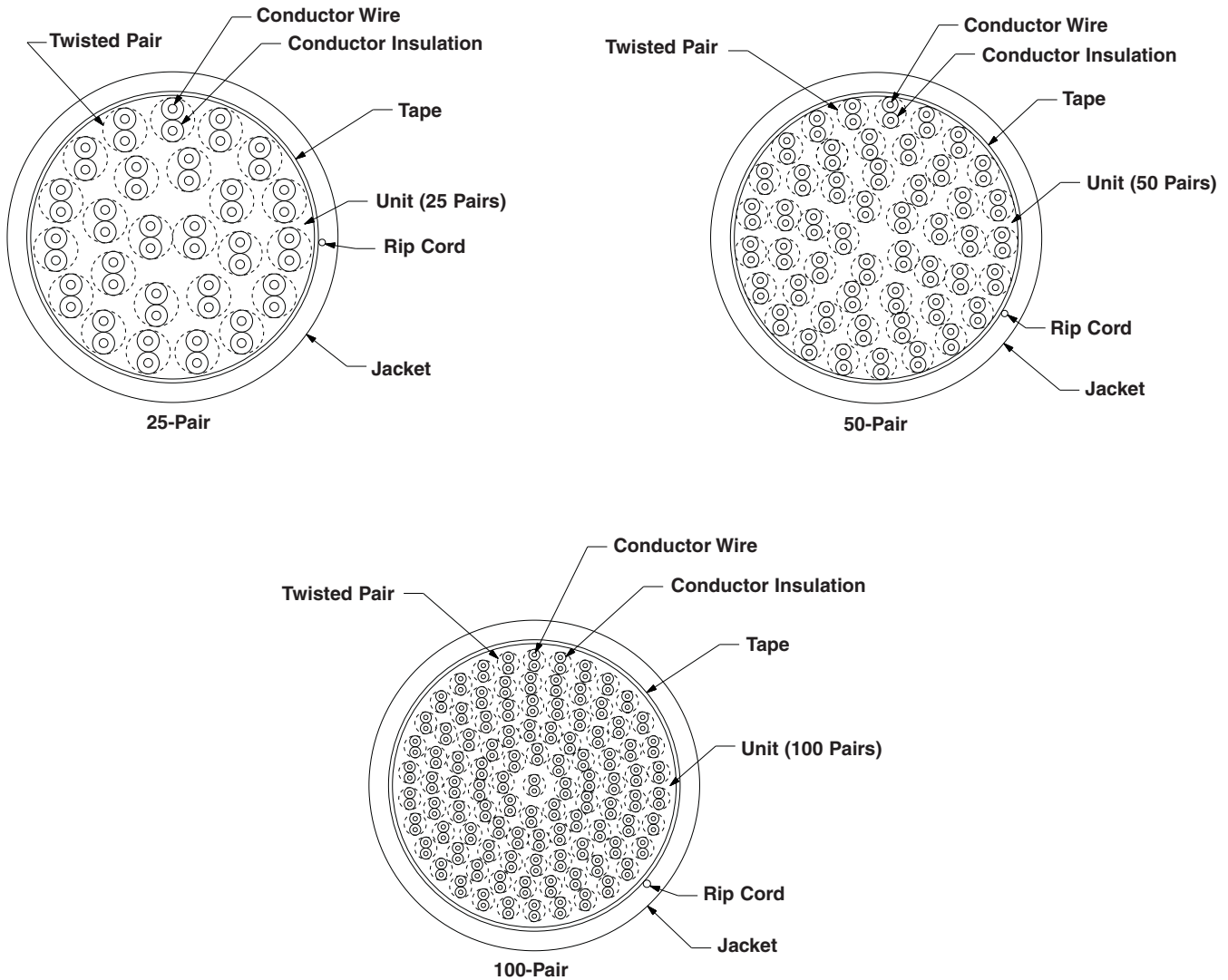
## applications

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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6/2011