

specifications

Category 5e cable shall far exceed IEC 61156-5 and ANSI/TIA/EIA-568-B.2 Category 5e component standards. The conductors shall be 24 AWG construction with HDPE insulation. The copper conductors shall be twisted in pairs and covered in a flame retardant PVC jacket.



technical information

Electrical performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds ISO 11801 2nd Edition Class D and ANSI/TIA/EIA-568-B.2 Category 5e standards at swept frequencies up to 100 MHz Certified component performance up to 100 meters and exceeds the component requirements of IEC 61156-5 and ANSI/TIA/EIA-568-B.2 Category 5e component standards at swept frequencies up to 100 MHz
Conductor/Insulator:	24 AWG solid copper insulated with HDPE
Flame rating:	UL 1685
Installation tension:	110 N (25 lbf) maximum
Temperature rating:	0°C to 50°C (32°F to 122°F) during installation -20°C to 75°C (-4°F to 167°F) during operation
Cable jacket:	Flame retardant PVC
Cable diameter:	4.7 mm (0.188 in.)
Cable weight:	9.5kg/305m (21 lbs./1000 ft.)
Packaging:	305m (1000 ft.), in an easy payout box 9.5kg/305m (23 lbs./1000 ft.) Package tested to ISTA procedure 1A

key features and benefits

Third party tested	Cable has been tested as part of the TX5500™ Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standards: ISO/IEC 11801 2nd Edition: 2002, EN 50173-1:2002, and ANSI/TIA/EIA-568-B.2
Easy payout box	Ensures proper performance and provides quick installation
Descending length cable markings	Easy identification of remaining cable to reduce installation time and cable scrap

applications

TX5500™ UTP Copper Cable is a component of the PANDUIT® TX5500™ Copper Cabling System. Interoperable and backward compatible, this end-to-end system provides design flexibility to protect network investments well into the future. With certified performance to the ISO 11801 Class E standards and ANSI/TIA/EIA-568-B.2 Category 5e, this system is ideal for today's high performance workstation applications. Usage of the TX5500™ Copper Cabling System includes:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token ring 4/16
- Data system

TX5500™ Copper Cabling System

TX5500™ UTP Copper Cable

CM: PUC5504*

MINI-COM® TX5e™ UTP Jack Module

Jack Module: CJ5E88TG**

TX5e™ UTP LSZH Patch Cords

1 meter: UTPCHL1M***Y

1 meters: UTPCHL2M***Y

3 meters: UTPCHL3M***Y

5 meters: UTPCHL5M***Y

DP5e™ Angled Punchdown Patch Panels

24-port, 1 RU: DPA245E88TGY

48-port, 2 RU: DPA485E88TGY

DP5e™ Flat Punchdown Patch Panels

12-port: DP125E88TGY

24-port, 1 RU: DP245E88TGY

48-port, 2 RU: DP485E88TGY

PAN-PUNCH™ 110 Category 5e Punchdown System

See website (www.panduit.com) or catalog for complete system information

Cable Prep Tools

Wire snipping tool: CWST

Wire snipping tool: CCAST

*For colors and pallet configurations, reference back page.

**To designate color, add suffix IW (Off White), EI (Electric Ivory), IG (International Gray), WH (White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow) or VL (Violet).

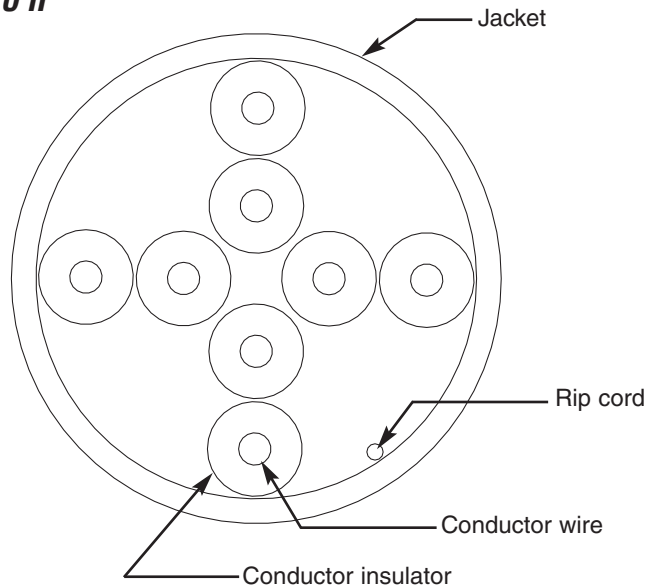
***For lengths 1 to 10 meters (increments of one meter) and 0.5, 1.5, 2.5, 15, 20, 25, 30, 35, 40 meters, change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), RD (Red), GR (Green), YL (Yellow), OR (Orange) or VL (Violet) after the M in the part number. For example, the part number for a blue 15-meter patch cord is UTPCHL15MBUY.

TX5500™ UTP Copper Cable

Additional Specifications

Mechanical Test	
Ultimate Breaking Strength	>400 N (90 lbf)
Minimum Bend Radius	4 x cable diameter
Electrical Test	
DC Resistance	<9.38 Ohm per 100m (328 ft.)
DC Resistance Unbalance	<5%
Mutual Capacitance	<5.6 nF per 100m (328 ft.) at 1 kHz
Capacitance Unbalance	<330 pF per 100m (328 ft.) at 1 kHz
Characteristic Impedance	100 Ohm +/-15% up to 100 MHz
Nominal Velocity of Propagation (NVP)	65%

Cable Construction



Product Offering

Part Number	Packing Configuration	Color	Length per Carton or Reel
PUC5504BU-A	Standard Pallet (36) cartons/pallet, 9 cartons x 4 layers	Blue	1000 ft/305 m
PUC5504IG-A	Standard Pallet (36) cartons/pallet, 9 cartons x 4 layers	International Gray	1000 ft/305 m
PUC5504IG-AJ	Individual carton (Japan market only)	International Gray	1000 ft/305 m
PUC5504BU-AJ	Individual carton (Japan market only)	Blue	1000 ft/305 m

For other color or pallet configurations, contact customer service.

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For a copy of **PANDUIT** product warranties, log on to www.panduit.com/warranty



For more information

Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800-777-3300 and reference COSP150

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