Mini-Com® TX6™ PLUS UTP 28/30 AWG Jack Modules

PANDUIT®
SPECIFICATION SHEET

specifications

Category 6/Class E, 8-position, UTP jack module shall terminate 4-pair, 28 AWG solid/stranded and 30 AWG solid, 100 ohm unshielded twisted pair cable and shall not require a punchdown tool. UTP jack modules shall use a forward motion termination method to optimize performance by maintaining cable pair geometry while eliminating conductor untwist. The termination cap shall be color coded green to designate Category 6 performance and shall include a universal label coded for T568A and T568B wiring schemes.

technical information

Category 6/Class E channel and component performance:	Exceeds channel requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards at swept frequencies 1 to 250 MHz Exceeds component requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards at swept frequencies 1 to 250 MHz
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7 and IEC 60512-99-002
RoHS compliance:	Compliant
PoE and PoH compliance:	Meets IEEE 802.3af/802.3at and 802.3bt type 3 and type 4 Supports Power over HDBaseT up to 100 watts
c(UL)us Listed:	UL 1863 (Use as communications circuit accessory); CSA standard C22.2 UL 2043 (Suitable for use in air-handling spaces)
Conductor termination range:	Wire cap compatible with 28 AWG solid/stranded and 30 AWG solid cable with conductor insulation diameters of 0.025 in. max. and overall cable O.D. 0.120 in. to 0.185 in.
Operating temperature:	-10°C to 75°C (14°F to 167°F)

key features and benefits

100% performance tested:	Confidence that each jack module will deliver the critical electrical performance requirements
Utilizes enhanced Giga-TX™ Technology:	Optimizes performance by eliminating conductor untwist and reduces installation time and expense
Improved termination cap:	Conductor retention slots simplify jack module termination
Modular:	UTP jack modules snap in and out of all Mini-Com Faceplates, Modular Patch Panels, and Surface Mount Boxes for easy moves, adds, and changes
True strain relief:	Controls cable bend radius for long-term installed performance
Individually serialized:	Marked with quality control number for future traceability
RJ45 interface:	Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords; backwards compatible
Identification:	Can be clearly identified with optional labels and icons for port Identification
Termination tool (optional):	EGJT-1 termination tool enables full termination of conductors by utilizing a smooth forward motion without impact on critical internal components for maximum reliability; TGJT termination tool ideal for high volume installations
Block out device (optional):	Provides a simple and secure method to control access to data ports while not in use

applications

Mini-Com TX6 PLUS UTP Jack Modules are a component of the TX6 PLUS UTP Copper Cabling System. This end-to-end system is interoperable and backwards compatible, providing design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards, this system is ideal for high performance workstation applications. With certified performance to the ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards, these systems will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet)
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

Mini-Com TX6 PLUS UTP Jack Modules	
Jack Module:	CJT688TGIW*
TX6 PLUS 28 AWG Patch Cords	
Feet:	UTP28SP**
Meters:	UTP28SP***M
Mini-Com Angled Modular Patch Panels	
24-port, 1 RU:	CPPLA24WBLY
48-port, 2 RU:	CPPLA48WBLY
Mini-Com Flat Modular Patch Panels	
24-port, 1 RU:	CPPL24WBLY
48-port, 2 RU:	CPPL48WBLY

For additional modular patch panels and punchdown patch panels, visit **www.panduit.com**

Tools and Accessories	
Jack Module Termination Tool:	EGJT-1 or TGJT
Wire Snipping Tool:	CWST
Wire Stripping Tool:	CJAST
Clear Dust Cap:	MDC-C
Blockout Device:	PSL-DCJB-^^^
Phone Icons:	CIPIW-C
Data Icons:	CIDWH-C+

*To designate color other than IW (Off White), replace IW suffix with EI (Electric Ivory), IG (International Gray), AW (Arctic White), BL (Black), WH (White), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), or VL (Violet). **For lengths 1 to 20 feet (increments of one foot), change the length designation in the part number to the desired length. For standard cable colors other that Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet). For example, the part number for a blue 15-foot patch cord is UTP28SP15BU.

***For lengths 0.5 to 6 meters (increments of half meter). For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet). For example, the part number for a blue 5-meter patch cord is UTP28SP5MBU.

^^^To designate color other than Red, add suffix Black (BL), Blue (BU), Yellow (YL), Green (GR), Orange (OR), Off White (IW) or International Gray (IG) at the end of the part number. 10/package.

+To designate color other than WH (White), replace WH with BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) in the part number. 100/package.

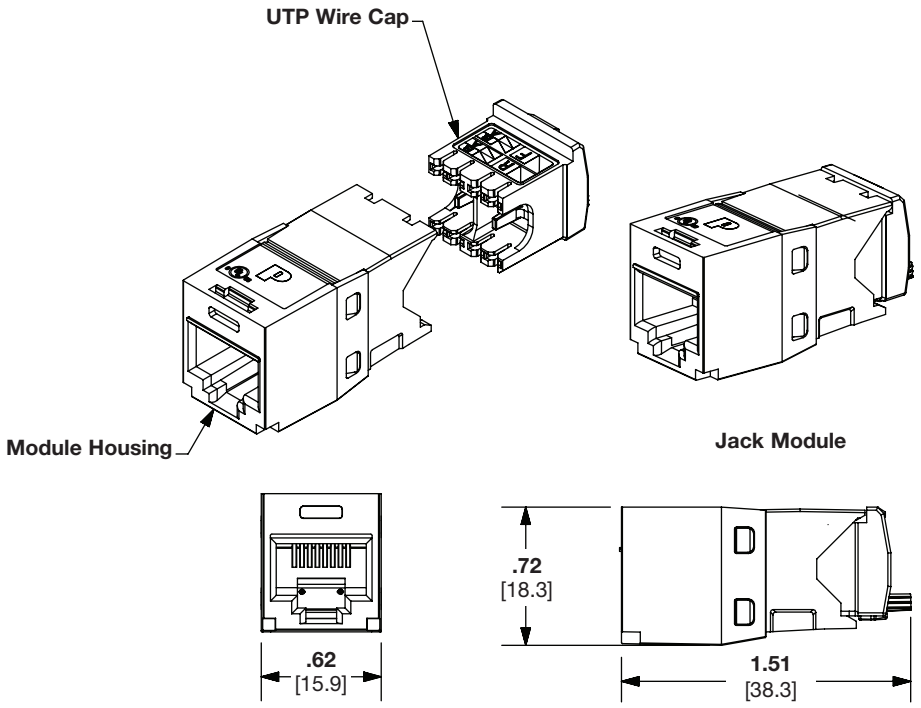
Contact customer service for bulk packaged jack modules and patch cords.

test results

Mechanical Test	Test Method	Measurement	Typical Test Results
Normal Force	ANSI/TIA-1096-A	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	< 40
Shock	IEC 512-6c	Contact Disturbance (microsecond)	< 5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	< 40
Mating/Un-mating	IEC 512-13b	Mating Force (N)	< 20
		Un-mating Force (N)	< 20
Termination Cycles	IEC 352	Number of Cycles	> 20
Mating Cycles	IEC 60603-7	Number of Plug Insertions	> 2500

Electrical Test	Test Method	Measurement	Typical Test Results
Low Level Circuit Resistance	IEC 512-2a	Resistance (mOhms)	< 20
Dielectric Withstand Voltage	IEC 512-4a	1000 VAC, 1 minute	Passed
Insulation Resistance	IEC 512-3a	Resistance (MOhms)	> 500

Environmental Test	Test Method	Measurement	Typical Test Results
Temperature Life	IEC 512-9b	Circuit Resistance (mOhms)	< 40
Humidity	IEC 512-11c	Circuit Resistance (mOhms)	< 40
Thermal Shock	IEC 512-11d	Circuit Resistance (mOhms)	< 40
Climatic Sequence	IEC 512-11a	Circuit Resistance (mOhms)	< 40
Flowing Mixed Gas Corrosion	IEC 512-11g	Circuit Resistance (mOhms)	< 40



Dimensions are in inches. [Dimensions in **brackets** are metric].

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