Mini-Com® TX6™ PLUS UTP Jack Modules

**Specifications**

Category 6/Class E, 8-position, UTP jack module shall terminate 4-pair, 22 – 26 AWG, 100 ohm shielded twisted pair cable and shall not require use of 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 white 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-C.2 Category 6 and ISO 11801 Class E standards at swept frequencies 1 to 250 MHz. Exceeds component requirements of ANSI/TIA-568-C.2 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 60512-99-001
- **RoHS compliance:** Compliant
- **PoE compliance:** Rated for 2500 cycles with IEEE 802.3af / 802.3at and proposed 802.3bt type 3 and type 4
- **UL rated:** UL 1863 (Use as communications circuit accessory)
- **UL 2043 (Suitable for use in air-handling spaces)**
- **Operating Temperature:** -10°C to 65°C (14°F to 140°F)
- **Conductor termination range:** Wire cap compatible with 22 – 26 AWG solid or stranded cable with conductor insulation diameters of 0.060 in. max. and overall cable O.D. 0.200 in. to 0.330 in.

**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
- **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
- **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
- **Angle termination version available**
  - Side opening allows cable to be terminated to the right or left side of the jack module; ideal for installations that have minimal depth that may not allow standard bend radius practices to be accommodated
- **Termination tools (optional)**
  - EGJT termination tool ensures conductors are fully terminated 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
- **Shuttered version (optional)**
  - Integrated spring shuttered door keeps out dust and debris of unmated RJ45 jack modules automatically

**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-C.2 Category 6 and ISO 11801 Class E standards, this system is ideal for today's high performance workstation applications. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards, these systems will support the following applications:

- 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
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

Visit www.panduit.com for additional modular patch panels and punchdown patch panels, or contact customer service.

**Tools and Accessories**

- **Jack module termination tool:** EGJT or TGJT
- **Wire snapping tool:** CWST
- **Wire stripping tool:** CJAST
- **Clear dust cap:** MDC-C
- **Block out device:** PSL-DCB-C
- **Phone icons:** CIPIW-C*
- **Data icons:** CIDIW-C*

*To designate color, add suffix: IW (Off White), replace IW suffix with WH (White), EI (Electric Ivory), HW (White), IG (International Gray), AW (Arctic White), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), BR (Brown), GD (Gold), LB (Light Blue), or PK (Pink).

**TX6™ PLUS UTP Copper Cabling Systems**

- **Mini-Com® TX6™ PLUS UTP Jack Modules**
  - Jack module: CJ688TG*
  - Shuttered jack module: CJI688TG*
  - Right angle jack module: CJ6886TG*
  - TX6000™ UTP Copper Cable
    - Plenum: PUP6004***
    - Riser: PUP6004***
    - LSZH (60332-1): PUP6004***
    - LSZH (60332-3): PUL6004***
    - CM: PUC6004***

*For additional cable colors, contact customer service.

**TX6™ PLUS UTP Patch Cords**

- **CM (foot lengths):** UTPSP-Y
- **CM (meter lengths):** UTPSP-MY
- **LSZH (meter lengths):** UTPSP-LMY

**Mini-Com® Angle Modular Patch Panels**

- 24-port, 1 RU: CPPLA48WLB
- 48-port, 2 RU: CPPLA48WBL

**Mini-Com® Flat Modular Patch Panels**

- 24-port, 1 RU: CPPLA24WBL
- 48-port, 2 RU: CPPLA48WBL

For additional modular patch panels and punchdown patch panels, visit www.panduit.com.
## Test Results

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<td>Vibration</td>
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<tr>
<td>Mating/Un-mating</td>
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<td>Mating Force (N)</td>
<td>&lt; 20</td>
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<td></td>
<td></td>
<td>Un-mating Force (N)</td>
<td>&lt; 20</td>
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<tr>
<td>Termination Cycles</td>
<td>IEC 352</td>
<td>Number of Cycles</td>
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<tr>
<td>Mating Cycles</td>
<td>IEC 60603-7</td>
<td>Number of plug insertions</td>
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<td>IEC 512-2a</td>
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<thead>
<tr>
<th>Environmental Test</th>
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<td>Flowing Mixed Gas Corrosion</td>
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<td>&lt; 40</td>
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![Jack Module and Standard Wire Cap](image1)

![Jack Module and Right Angle Wire Cap](image2)

![Jack Module](image3)

![Right Angle Jack Module](image4)

![Shuttered Jack Module](image5)

Dimensions are in inches (Dimensions in parenthesis are metric)

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