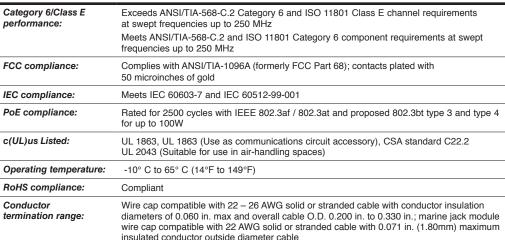
## Mini-Com<sup>®</sup> TX6<sup>™</sup> PLUS Shielded **Jack Modules**

### specifications

Category 6/Class E, 8-position, shielded jack module shall terminate 4-pair, 22 - 26 AWG, 100 ohm shielded twisted pair cable and shall not require use of a punchdown tool. Shielded 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



## key features and benefits

100% performance tested	Confidence that each jack module will deliver the critical electrical performance requirements	
Utilizes enhanced Giga-TX <sup>™</sup> Technology	Optimizes performance by eliminating conductor untwist and reduces installation time and expense	
Improved termination cap	Conductor retention slots simplify jack module termination	
Integral shield	Provides a 360° conductive path to ground shielded jack module with no additional assembly required	
Snap in grounding	Shield provides seamless bonding of the jack module with Mini-Com® All Metal Modular Patch Panels	
Modular	Shielded jack modules snap in and out of all Mini-Com® Faceplates, Metal Modular Patch Panels, and Surface Mount Boxes for easy moves, adds, and changes	
Individually serialized	Marked with quality control number for future traceability	
Identification	Can be clearly identified with optional labels and icons for port identification	
Shuttered version (optional):	Integrated spring shuttered door keeps out dust and debris of un-mated RJ45 jack modules automatically	
Marine compatible version available	Terminates to TX6000 <sup>™</sup> Shielded S/FTP Marine Copper Cable, which includes a durable flame-, oil-, UV- and MUD-resistant cable jacket; ideal for use in harsh environments encountered in marine applications including ship and offshore/ onshore units	
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	

## applications

Mini-Com<sup>®</sup> TX6<sup>™</sup> PLUS Shielded Jack Modules are a component of the TX6000™ Shielded 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

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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



#### TX6<sup>™</sup> PLUS Shielded Copper Cabling System Mini-Com° TX6<sup>™</sup> PLUS Shielded Jack Modules Jack module: CJS688TG\*Y Shuttered jack module: CJSH688TG\*Y Marine jack module: CJSM688TG<sup>‡</sup> TX6<sup>™</sup> Shielded Copper Cable PFC6004\*\*\*-KD CM. F/UTP: LSZH, F/UTP: PFL6004+-KD LSZH, SF/UTP: PSFL6004+-KD TX6000<sup>™</sup> Shielded S/FTP Marine Copper Cable LSZH: PSM6004BU++-LED TX6A<sup>™</sup> 10Gig Shielded CM/LSZH Patch Cords Foot lengths: STP6X<sup>^</sup>IG STP6X<sup>^^</sup>MIG Meter lengths: Mini-Com<sup>®</sup> Angled All Metal Modular Patch Panels 24-port, 1 RU: CPA24BLY 48-port, 2 RU: CPA48BLY 72-port, 2 RU: CPA72BLY Mini-Com<sup>®</sup> Flat All Metal Modular Patch Panels 24-port. 1 RU: CP24BLY 48-port, 2 RU: CP48BI Y 72-port, 2 RU: CP72BLY **Tools and Accessories** Jack module termination tool: EGJT or TGJT Wire snipping tool: CWST Wire stripping tool: CJAST Clear dust cap: MDC-C **Block out** device: PSL-DCJB-\*\*\* Phone icons: CIPIW-C+ Data icons: CIDIW-C \*To designate color, add BU (Blue), RD (Red), YL (Yellow), GR (Green) or VL (Violet). For part number CJS688TGY (no designation), the color is black.

<sup>‡</sup>Offered in black only.

 $^{\star\star\star} \mbox{To}$  designate color, add suffix IG (International Gray) or LG (Light Gray).

\*To designate color, add suffix WH (White) or DG (Dark Gray).

\*\*To designate color, add suffix BL (Black) or IG (International Gray). For other cable colors, contact customer service.

For lengths 3 to 20 feet (one foot increments) and 25, 30, 35, 40 feet, change the length designation in the part number to the desired length. For standard cable colors other than IG (International Gray), substitute the IG suffix with BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet). For example, the next number for a hum 15 foot network or STREY1FRU part number for a blue 15-foot patch cord is STP6X15BU.

<sup>^</sup>For lengths 1 to 10 meters (one meter increments) and 1.5, 2.5, 15, 20 meters, change the length and 1.5, 2.5, 15, 20 interes, orange the length designation in the part number to the desired length. For standard cable colors other than IG (International Gray), substitute the IG suffix with BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet). For example, the part number for a blue 15-meter patch cord is STP6X15MBU.

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

Contact customer service for bulk packaged and/or keyed jack modules and patch ords. Panduit recommends installing shielded jack modules in Mini-Com<sup>®</sup> All Metal Modular Patch Panels.

Voice over Internet Protocol (VoIP)

# Mini-Com<sup>®</sup> TX6<sup>™</sup> PLUS Shielded Jack Modules

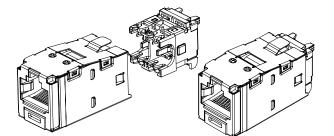
## Test Results

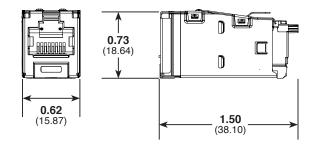
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal Force	-	Load (grams)	> 100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	< 40
Shock	IEC 512-6c	Contact Disturbance (microsecond)	< 5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	< 40
Mating/Un-mating	IEC 512-13b	Mating Force (N)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

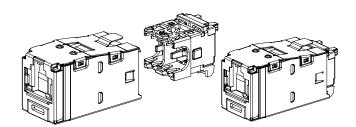
Electrical Test	Test Method	Measurement	Typical Test Results
Low Level Circuit Resistance	IEC 512-2a	Resistance (mOhms)	< 20
Dielectric Withstand Voltage	IEC 512-4a	1000 V, 1 minute	Passed
Insulation Resistance	IEC 512-3a	Resistance (MOhms)	> 500
Environmental Test	Test Method	Measurement	Typical Test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

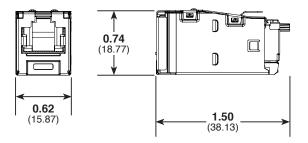
### Shielded Jack Module and Standard

### Shuttered Shielded Jack Module and









Dimensions are in inches (Dimensions in parenthesis are metric)

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

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