

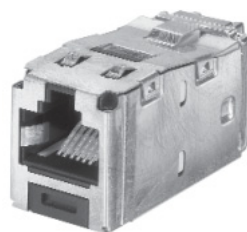
# TX6™ 10Gig™ Shielded Jack Module



## SPECIFICATION SHEET

### specifications

Augmented Category 6 eight-position jack module shall terminate shielded twisted 4-pair 22-26 AWG 100 ohm cable and shall not require the use of a punchdown tool. Jack module shall use forward motion termination to optimize performance by maintaining cable pair geometry and eliminating conductor untwist. The blue termination cap shall be color coded for T568A and T568B wiring schemes. The TX6™ 10Gig™ Shielded Jack Module must be installed as part of the TX6™ 10Gig™ Shielded Copper Cabling System to achieve IEEE 10GBASE-T certified performance.



### technical information

**Augmented Category 6/ISO 11801 Class E<sub>A</sub> Edition 2.1:** Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the draft requirements of TIA/EIA 568-B.2-AD10, ISO 11801 Class E<sub>A</sub> Edition 2.1, and IEEE 802.3an-2006 ratified standard for supporting 10GBASE-T transmission over copper twisted pair cabling when used as part of the PANDUIT® TX6™ 10Gig™ Shielded Copper Cabling System

**Category 6/Class E performance:** Exceeds all Category 6/Class E component and channel standard requirements

**FCC compliance:** Meets FCC Part 68 Subpart F

**IEC compliance:** Meets IEC 60603-7

### key features and benefits

**100% performance tested for wire-map, NEXT, and return loss** Guarantees that each jack module delivers specified performance

**Utilizes enhanced GIGA-TX™ Technology** Optimizes performance by eliminating conductor untwist and reduces installation time and expense

**Improved termination cap** Conductor retention slots simplify terminations

**Integral 360° shield** No additional assembly required and provides a 360° conductive path to ground; shield provides seamless bonding of the jack module with a MINI-COM® All Metal Modular Patch Panel

**Modularity** Jack modules snap in and out of all MINI-COM® Faceplates, Modular Patch Panels, and Surface Mount Boxes for fast moves, adds, and changes

**True strain relief** Controls cable bend radius for long term installed performance

**Individually serialized** Marked with a quality control number for traceability

### applications

TX6™ 10Gig™ Shielded Jack Modules are a component of the TX6™ 10Gig™ Shielded Copper Cabling System. This end-to-end system provides a cost-effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. This shielded cabling system provides high performance, excellent EMI suppression, and aids in secure data transmission. The PANDUIT solution helps ensure organizations efficiently and reliably meet their data transmission needs.

Usage of the TX6™ 10Gig™ Shielded Copper Cabling System includes high bandwidth applications within data centers and connections to high-end workstations such as:

- Stacking switches and switch-to-switch links
- Storage area networks
- Aggregation of Gigabit Ethernet channels
- Real-time intensive financial transactions
- Streaming video
- Animation
- Scientific modeling
- Medical imaging

**TX6™ 10Gig™ Shielded Copper Cabling System**

**TX6™ 10Gig™ Shielded Jack Module**

**Module:** CJS6X88TGY

**TX6™ 10Gig™ Shielded Cable – U/FTP\***

**Plenum:** PSP6004BU-UG  
**Riser:** PSR6004BU-UGY

**TX6™ 10Gig™ Shielded Patch Cords\*\***

**1 meter:** STP6X1MIG  
**2 meters:** STP6X2MIG  
**3 meters:** STP6X3MIG  
**5 meters:** STP6X5MIG  
**7 meters:** STP6X7MIG  
**10 meters:** STP6X10MIG

**MINI-COM® Flat All Metal Shielded Modular Patch Panels**

**24-port, 1 RU:** CP24BL  
**48-port, 2 RU:** CP48BL  
**72-port, 2 RU:** CP72BL

**MINI-COM® Angled All Metal Shielded Modular Patch Panels**

**24-port, 1 RU:** CPA24BL  
**48-port, 2 RU:** CPA48BL  
**72-port, 2 RU:** CPA72BL

### Termination Tools

**Jack module termination tool:\*\*\*** EGJT  
**Wire snipping tool:** CWST  
**Wire stripping tool:** CJUST  
**Panel punchdown tool:** PDT110

\*For colors other than BU (Blue), substitute with WH (White).

\*\*For lengths 1 – 10 meters (increments of 1 meter) and 10 – 40 meters (increments of 5 meters) change the length designation in the part number to the desired length. For standard cable colors other than IG (International Gray), substitute suffix with BL (Black), BU (Blue), GR (Green), RD (Red), YL (yellow), OR (Orange) or VL(Violet). For example, the part number for a blue 15 meter cord is STP6X15MBU.

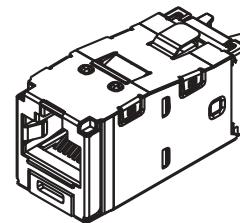
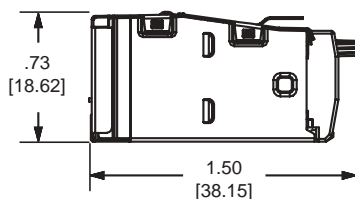
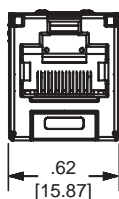
\*\*\*Terminates enhanced GIGA-TX™ Style Jack Modules.

Contact customer service for additional colors and lengths requiring minimum order quantities.

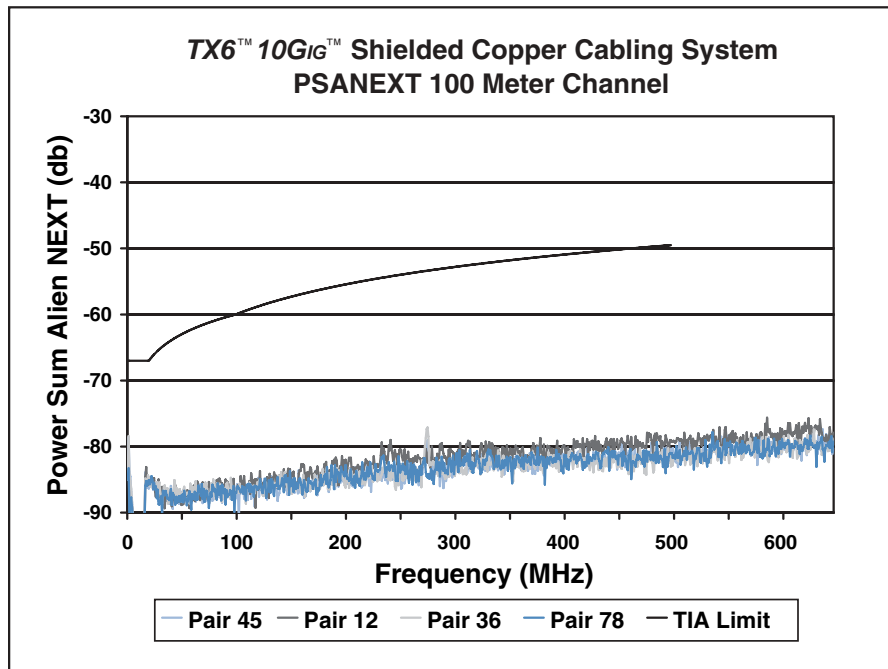
# TX6™ 10GIG™ Shielded Jack Module

## TX6™ 10GIG™ Shielded Jack Module Test Results

Mechanical Test	Test Method	Measurement	Test Results
Normal Force	—	Load (grams)	> 100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	< 40
Shock	IEC 512-6c	Contact Disturbance (microseconds)	< 5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	< 40
Mating/Un-mating	IEC 512-3b	Mating Force (N)	< 20
		Un-mating Force (N)	< 20
Electrical Test	Test Method	Measurement	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 Method	Measurement	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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