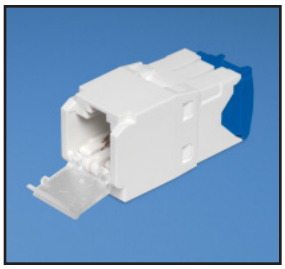
MINI-COM® TX6™ 10GIG™ Shuttered Jack Module

PANDUIT®

SPECIFICATION SHEET

specifications

Category 6A eight-position jack module shall terminate unshielded 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 *MINI-COM® TX6™ 10GIG™* Shuttered Jack Module must be installed as part of a complete *TX6™ 10GIG™* UTP Copper Cabling system in order to achieve 10GBASE-T certified performance.



technical information

Category 6A/ISO 11801 Class E_A channel performance tested to 650 MHz:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the draft requirements of ISO 11801 Class E_A Edition 2.1 and IEEE 802.3an-2006, TIA/EIA-568-B.2-10, ratified standards for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the *PANDUIT® TX6™ 10GIG™* UTP Copper Cabling System
FCC compliance:	Meets FCC Part 68 Subpart F
IEC compliance:	Meets IEC 60603-7

key features and benefits

100% performance tested	Confidence 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 termination
Modularity	Jack modules snap in and out of *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
Individual serialized	Marked with quality control number for traceability
Integral shuttered door	Protects RJ45 jack critical contacts from debris or dirt when not in use
Industry standard RJ45 interface	Familiar to end-users; backwards compatible

applications

MINI-COM® TX6™ 10GIG™ Shuttered Jack Module is a component of the *TX6™ 10GIG™* UTP Copper Cabling System. This end-to-end system provides a cost effective media for ensuring that the most challenging network bandwidth needs are easily met today and tomorrow. Businesses are placing increased reliance on their networks to efficiently pass vital and time sensitive information throughout their enterprise. Usage of the *TX6™ 10GIG™* UTP Copper Cabling System includes:

- Data Center high bandwidth applications for switch-to-switch links, storage area networks, and aggregation of data
- 3-D modeling and work group file transfer
- Web-enabling applications such as Voice over internet protocol (VoIP) and live video/audio broadcasting

TX6™ 10GIG™ UTP Copper Cabling System

MINI-COM® TX6™ 10GIG™ Shuttered Jack Module

Module:	CJD6X88TG*

TX6™ 10GIG™ UTP Copper Cable

Plenum:	PUP6X04**-U
Riser:	PUR6X04**-UY

DP6™ 10GIG™ Flat Punchdown Patch Panels

24-port, 1 RU:	DP246X88TGY
48-port, 2 RU:	DP486X88TGY

DP6™ 10GIG™ Angled Punchdown Patch Panels

24-port, 1 RU:	DPA246X88TGY
48-port, 2 RU:	DPA486X88TGY

TX6™ 10GIG™ Patch Cords

3 feet:	UTP6X3***Y
5 feet:	UTP6X5***Y
7 feet:	UTP6X7***Y
10 feet:	UTP6X10***Y
14 feet:	UTP6X14***Y
20 feet:	UTP6X20***Y

Termination Tools

Jack module termination tool:	TGJT
Wire snipping tool:	CWST
Wire stripping tool:	CJAST

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

**To designate color, add suffix BU (Blue), WH (White), YL (Yellow) or IG (International Gray).

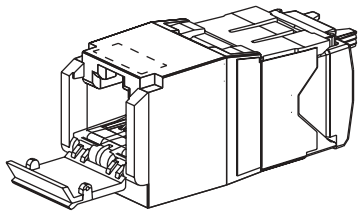
***For lengths 3 to 20 feet (one foot increments) 25, 30, 35 and 40 feet, change the length description in part number to the desired length. For standard cable colors other than Off White, add suffix with BL (Black), BU (Blue), RD (Red), GR (Green), YL (Yellow), OR (Orange) or VL (Violet) before the Y at the end of the part number. For example, the part number for a blue 15 foot patch cord is UTP6X15BUY.

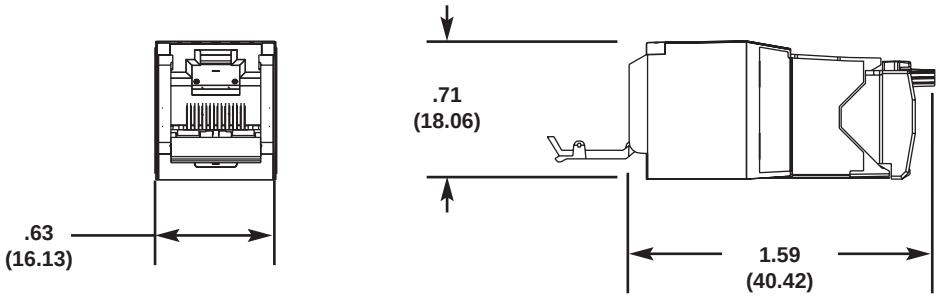
MINI-COM® TX6™ 10GIG™ Shuttered Jack Module Test Results

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 (microseconds)	<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

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





Dimensions are in inches (Dimensions in parentheses are metric).

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