Mini-Com® TX6™ PLUS Keyed UTP Jack Modules

PANDUIT®

SPECIFICATION SHEET

specifications

Category 6/Class E, 8-position keyed UTP jack modules shall terminate unshielded twisted 4-pair, 22-26 AWG, 100 ohm cable without the use of a punchdown tool. The jack module shall be mechanically keyed with color-specific positive and negative keying features to prevent unintentional mating with unlike keyed or non-keyed adapters. The forward motion termination method shall optimize performance by maintaining cable pair geometry and eliminating conductor untwist. The white termination cap shall be color-coded for T568A and T568B wiring schemes.



technical information

Category 6/ Class E channel and component performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards Certified component performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards
FCC compliance:	Meets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Meets IEEE 802.3af and IEEE 802.3at for PoE applications
UL rated:	No. 1863

key features and benefits

Color-specific keys with positive and negative keying features	Mechanically and visually distinguish connections to prevent unintentional insertion into unlike keyed or non-keyed ports, all network design flexibility and versatility, and accommodate more discrete networks
100% performance tested	Confidence that each jack module will deliver the critical electrical performance requirements
Utilizes Flex technology	Shortens the tuning length of the jack module enabling higher performance
Utilizes enhanced Giga-TX™ Technology	Wire cap optimizes performance by eliminating conductor untwist and reduces installation time and expense; simplifies termination and maintains conductor twists for reliable and consistent terminations
True strain relief	Controls cable bend radius for long term installed performance
Modular	Jack modules snap in and out of 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
Integrated block out feature	Prevents standard RJ11 modular plugs from mating with keyed jack modules

applications

The TX6™ PLUS Keyed UTP Jack Modules are part of the Panduit® TX6™ PLUS UTP Copper Cabling System. Keyed connectivity enables a level of visual and mechanical differentiation, and physical layer security that conventional cabling systems cannot provide.
Key applications include:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (limited distances as specified in the industry standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16

www.panduit.com

TX6™ PLUS Keyed UTP Copper Cabling System	
Mini-Com® TX6™ PLUS Keyed UTP Jack Modules	
Keyed A (black):	CJK688TGBL
Keyed B (red):	CJK688TGRD
Keyed C (green):	CJK688TGGR
Keyed D (yellow):	CJK688TGYL
Keyed E (orange):	CJK688TGOR
Keyed F (blue):	CJK688TGBU
TX6™ PLUS Keyed UTP Patch Cords	
Keyed A (black):	UTPKSP*BL
Keyed B (red):	UTPKSP*RD
Keyed C (green):	UTPKSP*GR
Keyed D (yellow):	UTPKSP*YL
Keyed E (orange):	UTPKSP*OR
Keyed F (blue):	UTPKSP*BU
TX6000™ UTP Copper Cable	
Plenum:	PUP6004**-UY
Riser:	PUP6004**-UY
LSZH:	PUL6004**-EY
Mini-Com® Angled Flush Mount Modular Patch Panels	
24-port, 1RU:	CPPA24FMWBLY
48-port, 2RU:	CPPA48FMWBLY
Mini-Com® Flat Flush Mount Modular Patch Panels	
24-port, 1RU:	CPP24FMWBLY
48-port, 2RU:	CPP48FMWBLY
72-port, 2RU:	CPP72FMWBLY

For additional modular patch panels reference www.panduit.com

Tools and Accessories	
Termination tools:	TGJT or EGJT
Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Clear dust cap:	MDC-C

*Substitute for length in feet: 3, 5, 7, 10 or 14 feet. Contact customer service for universal reference patch cords.

**To designate color, add suffix BU (Blue), WH (White), YL (Yellow) or IG (International Gray). For additional cable colors, contact customer service.

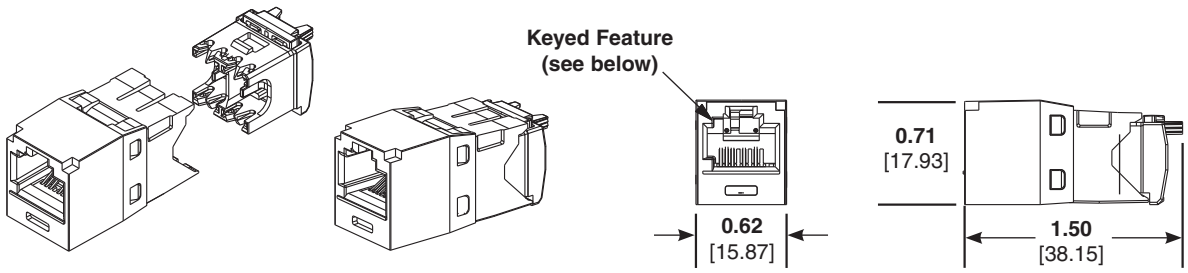
Mini-Com® TX6™ PLUS Keyed UTP Jack Modules

Reliability Tests

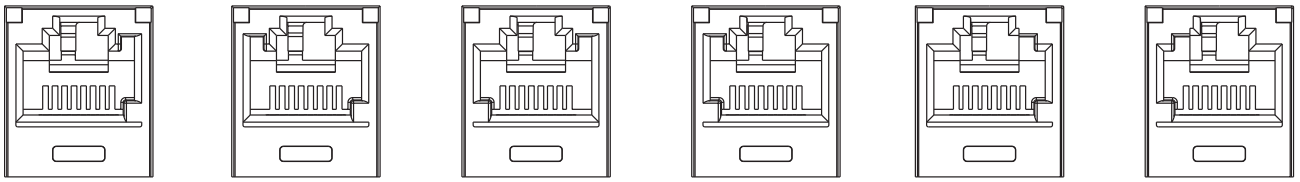
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal Force	—	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	<40
Shock	IEC 512-6c	Contact Disturbance (microseconds)	<5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
Mating/Un-Mating	IEC 512-13b	Mating Force (N)	<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



UTP Jack Color/Key Code and Part Number



CJK5E88TGBL **CJK5E88TGRD** **CJK5E88TGGR** **CJK5E88TGYL** **CJK5E88TGOR** **CJK5E88TGBU**

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

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