

specifications

Category 6A/Class E_A, 8-position keyed shielded jack modules shall terminate shielded 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 modular plugs. The forward motion termination method shall 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.



technical information

Category 6A/ISO 11801 Class E_A channel and component performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA/EIA 568-B.2-10, ISO 11801 Class E _A Edition 2.1, and IEEE 802.3an-2006 standards for supporting 10GBASE-T transmission over copper twisted pair cabling when used as part of the PANDUIT® TX6™ 10Gig™ Shielded Copper Cabling System
	Certified component performance to the ANSI/TIA/EIA-568-B.2-10 Category 6A and ISO 11801 Class E _A standards
FCC compliance:	Meets ANSI/TIA-968-A; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Meets IEEE 802.3af and draft requirements of IEEE 802.3at for PoE Plus
UL rated:	No. 1863
Conductor termination range:	Accepts primary conductor O.D. up to 0.350 in.

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

applications

The TX6™ 10Gig™ Keyed Shielded Jack Modules are a component of the PANDUIT® TX6™ 10Gig™ Shielded Copper Cabling System. Keyed connectivity enables a level of visual and mechanical differentiation, and physical layer security that conventional cabling systems cannot provide. 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. Usage of the TX6™ 10Gig™ Shielded Copper Cabling System includes high bandwidth applications within data centers and connections to high-end workstations. Key applications include:

- 10GBASE-T Ethernet
- Data center server virtualization
- Back-bone aggregation
- Data center I/O consolidation
- Consolidation of network interconnects
- Parallel processing and high speed computing

TX6™ 10Gig™ Keyed Shielded Copper Cabling System

MINI-COM® TX6™ 10Gig™ Keyed Shielded Jack Modules

Keyed A (black):	CJSK688TGBL
Keyed B (red):	CJSK688TGRD
Keyed C (green):	CJSK688TGGR
Keyed D (yellow):	CJSK688TGYL
Keyed E (orange):	CJSK688TGOR
Keyed F (blue):	CJSK688TGBU

TX6™ 10Gig™ Keyed Shielded Patch Cords

Keyed A (black):	STPK6X*BL
Keyed B (red):	STPK6X*RD
Keyed C (green):	STPK6X*GR
Keyed D (yellow):	STPK6X*YL
Keyed E (orange):	STPK6X*OR
Keyed F (blue):	STPK6X*BU

TX6™ 10Gig™ Shielded Copper Cable

Plenum:	PSP6004BU-UGY
Riser:	PSR6004BU-UGY

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.

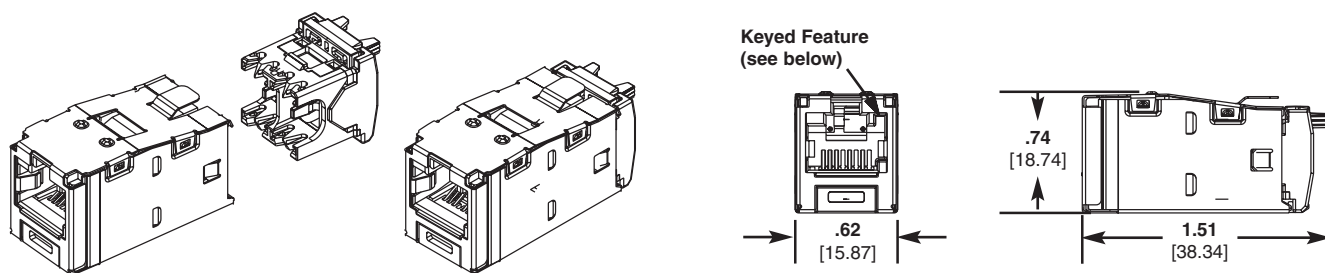
MINI-COM[®] TX6[™] 10Gig[™] Keyed Shielded Jack Modules

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 (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

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 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 Color/Key Code and Part Number

