

Mini-Com® TX6A™ 28/30 AWG Shielded Jack Modules

specifications

Category 6A/Class E_A, 8-position, shielded jack module shall terminate 4-pair, 28 AWG solid/stranded and 30 AWG solid, 100 ohm shielded twisted pair cable and shall not require 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 aqua to designate Category 6A and 28/30 AWG utility performance and shall include a universal label coded for T568A and T568B wiring schemes.



technical information

Category 6A/Class E_A performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E _A standards swept up to 650 MHz for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the TX6A 10Gig Shielded Copper Cabling System Exceeds component requirements of ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E _A standards for supporting 10GBASE-T transmission over twisted-pair cabling systems
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7 and IEC 60512-99-002
RoHS compliance:	Compliant
PoE & PoH compliance	Meets IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4. Supports Power over HDBaseT up to 100 watts.
c(UL)US listed:	UL 1863 (Use as communications circuit accessory); CSA standard C22.2 UL 2043 (Suitable for use in air-handling spaces)
Conductor termination range:	Wire cap compatible with 28 AWG solid/stranded to 30 AWG solid cable with conductor insulation diameters of 0.025 in. max. and overall cable O.D. 0.120 in. to 0.185 in.
Operating temperature:	-10°C to 75°C (14°F to 167°F)

key features and benefits

100% performance tested	Confidence that each jack module will deliver the critical electrical performance requirements
Utilizes enhanced Giga-TX™ Technology	Optimizes performance by eliminating conductor untwist and reduces installation time and expense
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
High density	Able to support 48 ports in 1RU density
Termination tool (optional)	EGJT-1 termination tool enables full termination of conductors 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 TX6A 28/30 AWG Shielded Jack Modules are a component of the TX6A 28/30 AWG Shielded Copper Cabling System. Shielded jack modules enable use of shielded 28/30 AWG equipment cords which ensure network bandwidth needs are easily met today and tomorrow. This shielded system provides high performance, excellent EMI suppression and aids in secure data transmission. This solution helps ensure organizations efficiently and reliably meet their data transmission needs. With certified performance to the ISO 11801 Class E_A, IEEE 802.3an-2006 and ANSI/TIA-568.2-D Category 6A standards, this system will support high bandwidth applications with data centers and connections to high end workstations such as stacking switches and switch-to-switch links, storage area networks, aggregation transactions, streaming video, animation, scientific modeling and medical imaging.

Mini-Com TX6A 28/30 AWG Shielded Jack Modules

Shielded jack module: CJST6X88TGY*

TX6A-28 Shielded Patch Cords

Meter lengths: STP28X^^MIG

Mini-Com Angled Shielded Modular Patch Panels

24-port, 1 RU: CPA24BLY

48-port, 1 RU: CPA48HDBL

48-port, 2 RU: CPA48BLY

Mini-Com Flat Shielded Modular Patch Panels

24-port, 1 RU: CP24BLY

48-port, 1 RU: CP48HDBL

48-port, 2 RU: CP48BLY

Tools and Accessories

Jack module termination tool: EGJT-1 or TGJT

Wire snipping tool: CWST

Wire stripping tool: CJUST

Clear dust cap: MDC-C

Block out device: PSL-DCJB-^^^

Phone icons: CIPIW-C

Data icons: CIDWH-C+

*To designate color, add BU (Blue), RD (Red), YL (Yellow), GR (Green) or VL (Violet). For part number CJST6X88TGY (no designation), the color is black.

^^For lengths 1 to 10 meters (one meter increments) and 1.5, 2.5, 15, 20 meters, 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 part number for a blue 1.5-meter patch cord is STP28X.15MBU.

^^^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.

++To designate color other than WH (White), replace with BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), in the part number. 100/package.

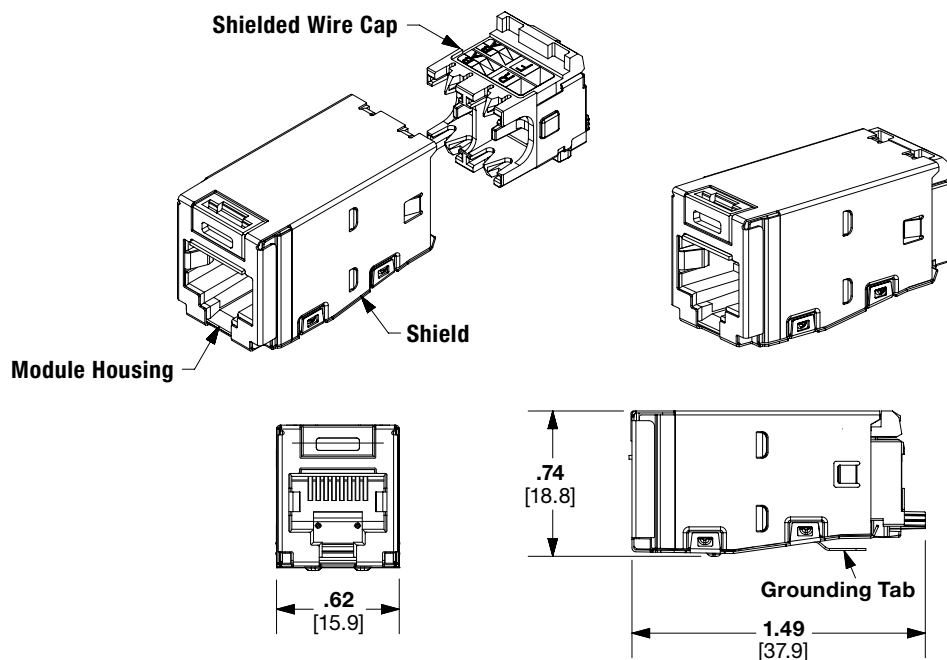
Mini-Com® TX6A™ 28/30 AWG Shielded Jack Modules

test results

Mechanical Test	Test Method	Measurement	Test Results
Normal Force	ANSI/TIA-1096-A	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)	
Termination Cycles	IEC 352	Number of Cycles	>20
Mating Cycles	IEC 60603-7	Number of Plug Insertions	>2500

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	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].

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

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

For more information

Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

PANDUIT®

© 2022 Panduit Corp.
ALL RIGHTS RESERVED.
COSP394-WW-ENG
12/2022