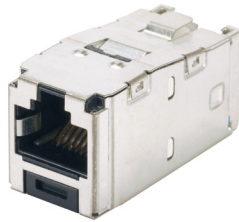


Mini-Com® TX6A™ 28/30 AWG Shielded Jack Modules

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. (0.635mm) max. and overall cable O.D. 0.120 in. to 0.185 in. (3.048mm to 4.69mm)
Operating temperature:	14° F to 149° F (-10° C to 65° C)

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

Mini-Com TX6A 28/30 AWG Shielded Jack Modules

Shielded jack module: CJST6X88TG^Y

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:	CJAST
Clear dust cap:	MDC-C
Block out device:	PSL-DCJB^^^+
Phone icons:	CIPIW-C
Data icons:	CID++-C

^Colors: BU (Blue), RD (Red), YL (Yellow), GR (Green) or VL (Violet).

^^^Colors other than Red: -BL (Black), -BU (Blue), -YL (Yellow), -GR (Green), -OR (Orange), -IW (Off White), or -IG (International Gray)

+Add -C to indicate bulk package with 100 pieces per pack to reduce single-use plastic

++Colors: WH (White), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange)



All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

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

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.

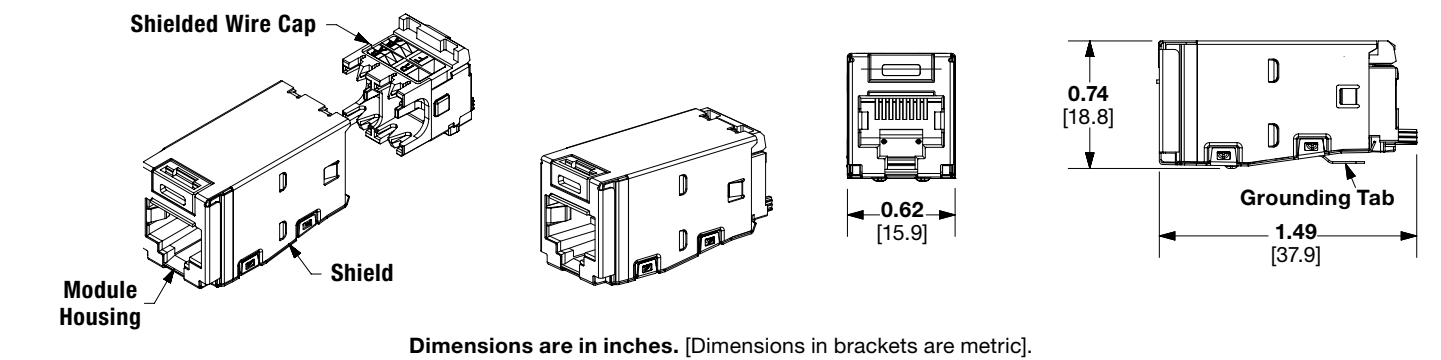
TEST RESULTS

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		
Thermal Shock	IEC 512-11d		
Climatic Sequence	IEC 512-11a		
Flowing Mixed Gas Corrosion	IEC 512-11g		

ENGINEERING DRAWINGS



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