Mini-Com® TX5e™ UTP 28/30 AWG Jack Modules

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 5e/Class D, 8-position, UTP jack module shall terminate 4-pair, 28 AWG solid/stranded and 30 AWG solid, 100 ohm unshielded twisted pair cable and shall not require a punchdown tool. UTP 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 yellow to designate Category 5e performance and shall include a universal label coded for T568A and T568B wiring schemes.

TECHNICAL INFORMATION

Category 5e/Class D channel and component performance:	Exceeds channel requirements of ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards at swept frequencies 1 to 100 MHz
	Exceeds component requirements of ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards at swept frequencies 1 to 100 MHz
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 and PoH compliance:	Meets IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4
	Supports Power over HDBaseT up to 100 watts
Conductor termination range:	UL 1863 (Use as communications circuit accessory); CSA standard C22.2
	UL 2043 (Suitable for use in air-handling spaces)
c(UL)us Listed:	Wire cap compatible with 28 AWG solid/stranded and 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. (3.08mm to 4.69mm)
Operating temperature:	14°F to 167°F (-10°C to 75°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
Improved termination cap:	Conductor retention slots simplify jack module termination
Modular:	UTP jack modules snap in and out of all Mini-Com Faceplates, Modular Patch Panels and Surface Mount Boxes for easy moves, adds, and changes
True strain relief:	Controls cable bend radius for long-term installed performance
Individually serialized:	Marked with quality control number for future traceability

APPLICATIONS

Mini-Com TX5e UTP Jack Modules are a component of the TX5500™ UTP Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards, this system will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet)
- Voice/data systems
- Voice over Internet Protocol (VoIP)

Mini-Com TX5e UTP Jack Modules	
Jack Module:	CJT5E88TG*
Mini-Com Angled Modular Patch Panels	
24-port, 1 RU:	CPPLA24WBLY
48-port, 2 RU:	CPPLA48WBLY
Mini-Com Flat Modular Patch Panels	
24-port, 1 RU:	CPPL24WBLY
48-port, 2 RU:	CPPL48WBLY
Tools and Accessories	
Jack Module Termination Tool:	EGJT-1 or TGJT
Wire Snipping Tool:	CWST
Wire Stripping Tool:	CJAST
Clear Dust Cap:	MDC-C
Blockout Device:	PSL-DCJB^^+
Phone Icons:	CIPIW-C
Data Icons:	CID++-C

*Feet lengths: 1 - 10 feet (every 1 foot) 15 and 20 feet
**Meter lengths: 1 - 5 meters (every 1 meter)
^Colors: IW (Off White), BU (Blue), or WH (White)
^Colors other than Off White: BU (Blue), BL (Black), GR (Green), RD (Red), YL (Yellow), OR (Orange), GY (Gray), 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 packages of 10 pieces to reduce single-use plastic
++Colors: WH (White), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange)

TAA Compliant

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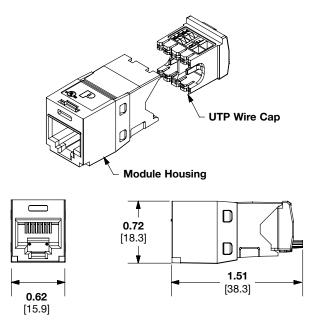
TEST RESULTS

Mechanical Test	Test Method	Measurement	Typical 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 (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
Termination Cycles	IEC 352	Number of Cycles	> 20
Mating Cycles	IEC 60603-7	Number of Plug Insertions	> 2500

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

ENGINEERING DRAWINGS

UTP Wire Cap

Module Housing

0.72 [18.3]

1.51 [38.3]

0.62 [15.9]

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

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