

Mini-Com® TX5e™ UTP Coupler Modules and Patch Panel

specifications

Category 5e/Class D, 8-position, female-to-female, UTP coupler module shall provide easy plug-and-play pass through connectivity. Coupler modules shall act as one connecting hardware component in the channel. Coupler modules shall be available individually or installed in a 24-port flat patch panel. Couplers shall be compatible with 6 or 8-position RJ45 UTP patch cords with T568A and T568B wiring schemes.



technical information

Category 5e/Class D channel 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
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
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
RoHs compliance:	Compliant
c(UL)us Listed:	UL 1863 (Use as communications circuit accessory), CSA standard C22.2

key features and benefits

100% performance tested	Confidence that each coupler will deliver the critical electrical performance requirements
Modular	Couplers snap in and out of all Mini-Com Faceplates, Modular Patch Panels and Industrial Bulkheads for easy moves, adds and changes
RJ45 interface	Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords
Identification	Can be clearly identified with optional labels and icons for port identification
Populated patch panel version	Factory installed 24-port patch panel mounts to standard EIA 19" or 23" racks for greater system flexibility
Blockout device (optional)	Provides a simple and secure method to control access to data port while not in use

applications

Mini-Com TX5e UTP Coupler Modules and Patch Panels are a component of the TX5500™ UTP Copper Cabling System with usable bandwidth beyond 100 MHz. This end-to-end system is interoperable and backwards compatible for flexibility to protect network investments into the future. Couplers are designed to perform as one connector in the channel and allows up to four couplers to be used in each channel while maintaining channel performance. Couplers are a reliable, modular solution, and ideal for setting up temporary networks in a testing environment or during a planned system upgrade.

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

Mini-Com TX5e UTP Coupler Modules

Coupler Module: CC5E88‡

Mini-Com TX5e UTP Coupler Patch Panel

24-port, 1 RU: CP245E88BLY

Accessories

Clear dust cap: MDC-C

Blockout device: PSL-DCJB-^^^

Phone icons: CIPIW-C

Data icons: CIDWH-C+

‡To designate color, add suffix BL (Black), IW (Off White).

^^^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 WH with BU (Blue), RD (Red), YL (Yellow), GR (Green), or OR (Orange) in the part number. 100/package

Note: Mini-Com Coupler Modules are not compatible with Surface Mount Boxes.

Mini-Com® TX5e™ UTP Coupler Modules and Patch Panel

test results

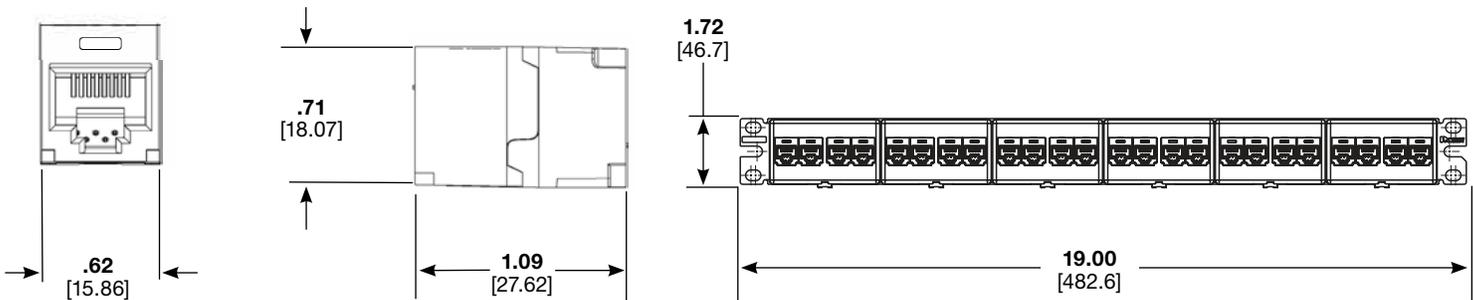
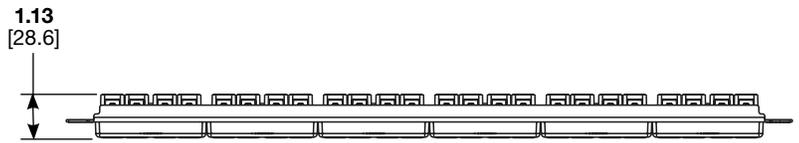
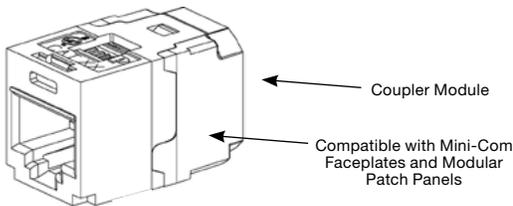
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal Force	ANSI/TIA-1096-A	Load (grams)	> 100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	< 40
Shock	IEC 512-6c	Contact Disturbance (microsecond)	< 5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
Mating/Un-mating	IEC 512-13b	Mating Force (N)	< 20
		Un-mating Force (N)	< 20
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	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

Mini-Com Category 5e Coupler Module

24-Port Category 5e Coupler Patch Panel



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

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