

Mini-Com® TX6™ PLUS Shielded Jack Modules

SPECIFICATIONS

Category 6/Class E, 8-position, shielded jack module shall terminate 4-pair, 22 AWG - 26 AWG, 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 white to designate Category 6 performance and shall include a universal label coded for T568A and T568B wiring schemes.



TECHNICAL INFORMATION

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| Category 6/Class E performance: | Exceeds channel requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards at swept frequencies 1 to 250 MHz Exceeds component requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards at swept frequencies 1 to 250 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 |
| c(UL)us Listed: | UL 1863 (Use as communications circuit accessory), CSA standard C22.2 UL 2043 (Suitable for use in air-handling spaces) |
| RoHS compliance: | Compliant |
| Conductor termination range: | Standard wire cap compatible with 22 AWG - 26 AWG solid or stranded cable with conductor insulation diameters of 0.06 in. (1.5mm) max and overall cable O.D. 0.2 in. - 0.33 in. (5.1mm - 8.4mm); Marine jack module wire cap compatible with 22 AWG solid or stranded cable with 0.071 in. (1.80mm) maximum insulated conductor outside diameter cable |
| Operating temperature: | 14°F to 167°F (-10°C to 75°C) |

KEY FEATURES AND BENEFITS

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| 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 |

APPLICATIONS

Mini-Com TX6 PLUS Shielded Jack Modules are a component of the TX6000™ Shielded Copper Cabling System. This end-to-end system is interoperable and backwards compatible, providing design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards, this system is ideal for today's high performance workstation applications. With certified performance to the ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards, these systems will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

Mini-Com TX6 PLUS Shielded Jack Modules

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|--------------------------------------|--------------|
| Jack module: | CJS688TG*Y |
| Spring-shuttered jack module: | CJSH688TG**Y |

Tools and Accessories

| | |
|--------------------------------------|----------------|
| Jack module termination tool: | EGJT-1 or TGJT |
| Wire snipping tool: | CWST |
| Wire stripping tool: | CJAST |
| Clear dust cap: | MDC-C |
| Grounding kit: | CJSGK-XY |
| Block out device: | PSL-DCJB^^^ |
| Phone icons: | CIPIW-C |
| Data icons: | CID+-C |

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

**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)

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

-C indicates bulk packages of 100 pieces per pack to reduce single-use plastic..

Contact customer service for bulk packaged and/or keyed jack modules.

Installing shielded jack modules in Mini-Com All Metal Modular Patch Panels is recommended.

For grounding shielded jack modules not installed in a Mini-Com All Metal Modular Patch Panel, use the shielded jack module grounding kit, part number CJSK-XY.



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ADDITIONAL SPECIFICATIONS

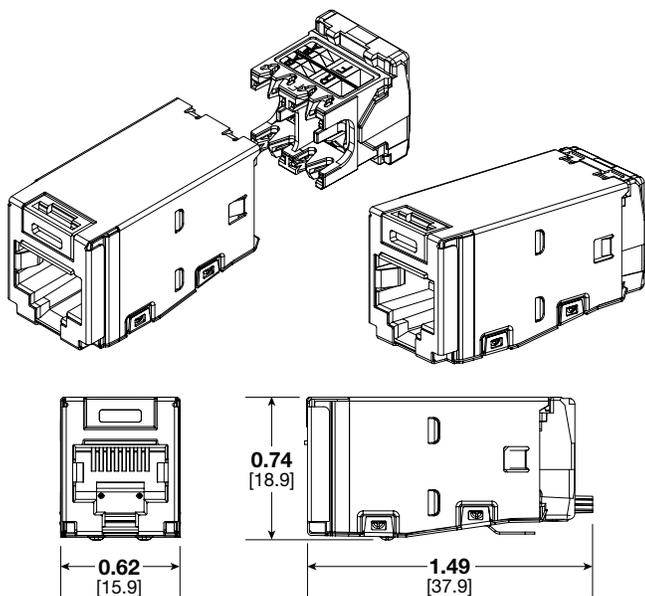
| Mechanical Test | Test Method | Measurement | Typical Test Results |
|--------------------|-----------------|------------------------------------|----------------------|
| Normal force | ANSI/TIA-1096-A | Load (grams) | >100 |
| Vibration | IEC 512-6d | Circuit Resistance (mOhms) | <40 |
| Shock | IEC 512-6c | Contact Disturbance (microseconds) | <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 |

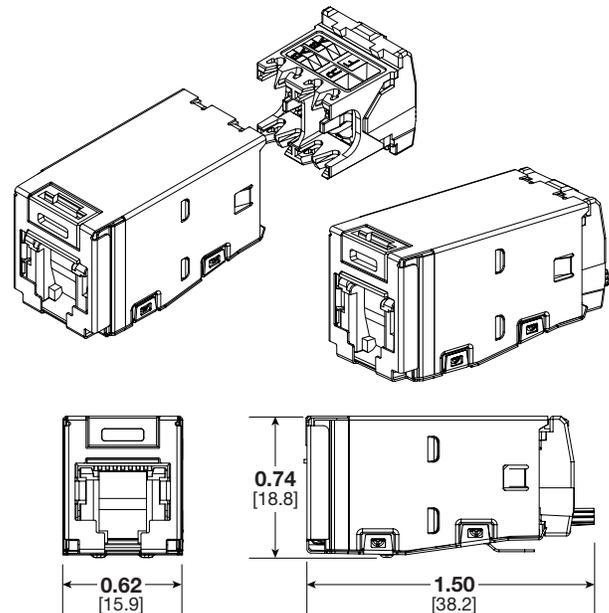
| Environmental Test | Test Method | Measurement | Typical Test Results |
|-----------------------------|-------------|----------------------------|----------------------|
| Temperature life | IEC 512-9b | Circuit Resistance (mOhms) | <40 |
| Humidity | IEC 512-11c | Circuit Resistance (mOhms) | <40 |
| 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 |

ENGINEERING DRAWINGS

Shielded Jack Module



Shielded Spring-shuttered Jack Module



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

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