

45° Angled Mini-Com® TX6A™ and TX6™ PLUS Shielded Jack Modules

specifications

Category 6A/Class EA and Category 6/Class E, 8-position, Angled Shielded Jack Module shall terminate 4-pair, 22 – 26 AWG, 100 ohm shielded twisted pair cable and shall not require use of a punch down tool. Angled Shielded Jack Modules shall provide option for either up or down, or left or right, 45° angled cable entry into rear of jack module. Angled 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 to designate performance level and shall include a label coded for T568B wiring scheme.



technical information

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| Channel and component performance: | Exceeds channel requirements of ANSI/TIA-568.2-D and ISO 11801 standards for the respective Category or Class performance levels at the designated swept frequencies for that Category or Class. Meets component requirements of ANSI/TIA-568.2-D and ISO 11801 standards for the respective Category or Class performance levels at the designated swept frequencies for that Category or Class. |
| FCC compliance: | Complies with ANSI/TIA-1096A (formerly FCC Part 68); contacts plated with 50 microinches of gold |
| IEC compliance: | Meets IEC 60603-7 and IEC 60512-99-001 |
| Operating temperature: | -10° C to 65° C (14° F to 149° F) |
| PoE compliance: | Meets IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4 for up to 100W |
| UL Listed: | UL 1863 (Use as communications circuit accessory) UL 2043 (Suitable for use in air-handling spaces) |
| RoHS compliance: | Compliant |
| Cable and conductor termination range: | Wire cap compatible with 22 – 26 AWG solid or stranded cable with conductor insulation diameters of 0.060 in. max and overall cable O.D. 0.200 in. to 0.330 in. |
| Depth reduction provided: | Allows up to 55% reduction in cable routing depth compared to straight exit wire cap when both allow proper cable bend radius for 0.275 in. (6.99 mm) diameter cable (0.500" with angled caps vs. 1.100" with straight exit caps) |

key features and benefits

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| Angled cable exit | Large diameter cables can be routed to jacks in tight spaces while maintaining proper bend radius, ensuring proper performance and enabling easy cable dressing in high density applications like patch panels |
| Reversible direction design | Each modular jack comes with a wire cap which can be inserted in either of two directions, so that only one jack type is needed to route cable in up or down directions, or left or right directions |
| 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 |
| High density | Able to support 48 ports in 1RU density |
| Termination tool | TGSJT termination tool ensures conductors are fully terminated by utilizing a smooth forward motion without impact on critical internal components for maximum reliability |

applications

45° Angled Mini-Com® TX6A and TX6 PLUS Shielded Jack Modules may be used wherever an angled cable exit from the modular jack is desired and in confined jack mounting spaces such as in modular furniture, raceway, and wall outlets with conduit. 45° Angled Shielded Jack Modules are especially beneficial for use with Category 6A cabling which is increasingly being deployed in office and furniture applications, since their angled routing better

accommodates the larger bundle diameter and bigger bend radius of Category 6A cable.

45° Angled Shielded Jack Modules are also useful in high density rack cabling where they reduce horizontal cabling bulk by as much as 50% and more directly feed shielded cables into pathways for easier cable management.

45° Angled Mini-Com® TX6A™ and TX6™ PLUS Shielded Jack Modules*

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|--|--------------|
| Left/Right 45° Angled Jacks (Black) | |
| TX6A™ | CJSLR6X88TGY |
| TX6™ PLUS | CJSLR688TGY |
| Up/Down 45° Angled Jacks (Black) | |
| TX6A™ | CJSUD6X88TGY |
| TX6™ PLUS | CJSUD688TGY |

45° Angled Wire Caps for Mini-Com® Shielded Jack Modules

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|----------------------------------|--------------|
| Left/Right 45° Angle Caps | |
| TX6A™: | CJSLRCAPBU-X |
| TX6™ PLUS: | CJSLRCAPIW-X |
| TX5e™: | CJSLRCAPRD-X |
| Up/Down 45° Angle Caps | |
| TX6A™: | CJSUDCAPBU-X |
| TX6™ PLUS: | CJSUDCAPIW-X |
| TX5e™: | CJSUDCAPRD-X |

Tools and Accessories

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| Angled Jack Module termination tool: | TGSJT |
| Wire snipping tool: | CWST |
| Wire stripping tool: | CJAST |
| Block out device: | PSL-DCJB |

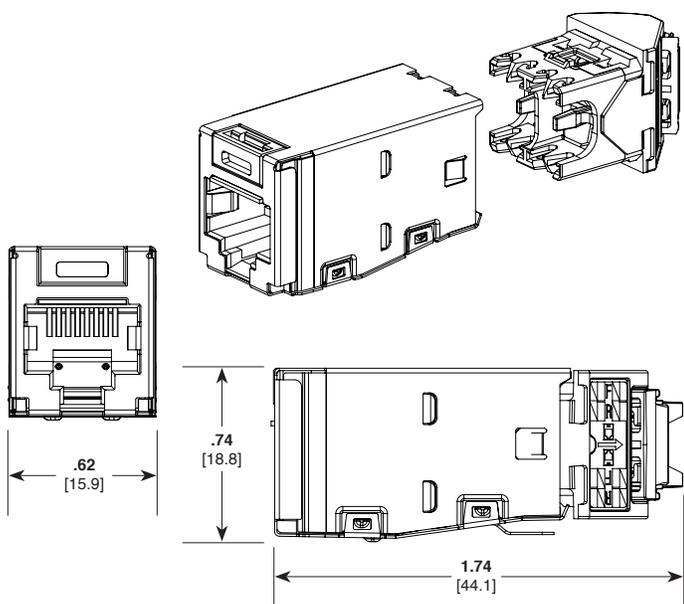
*For other colors for Angled Shielded Jack Modules, please see panduit.com

45° Angled Mini-Com® TX6A™ and TX6™ PLUS Shielded Jack Modules

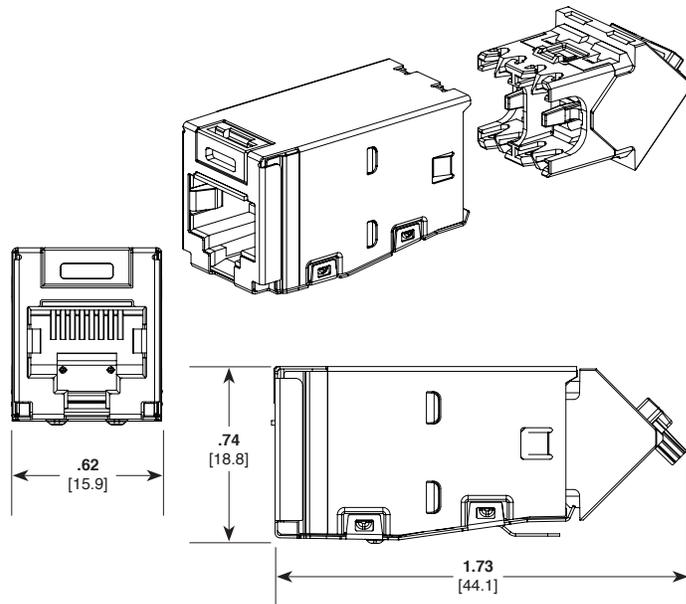
Test Results

| Mechanical Test | Test Method | Measurement | Test Results |
|------------------------------|-------------|------------------------------------|--------------|
| Normal Force | – | 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-512-3b | 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 | 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 |
| Electrical 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 |

Left/Right 45° Angled Shielded Jack Module



Up/Down 45° Angled Shielded Jack Module



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

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