

specifications

The Category 6 / Class E eight-position jack module accepts 22-26 AWG, 100 ohm, 4 pair unshielded cable and can be terminated without the use of a punchdown tool. The jack module uses a forward motion termination to optimise performance by maintaining cable pair geometry, eliminating conductor untwist. The white termination cap is colour coded for T568A and T568B wiring schemes



technical information

Category 6/Class E channel performance:	Exceeds all TIA/EIA-568-B.2-1 Category 6 and ISO 11801 2nd Edition Class E channel standard requirements at swept frequencies up to 250 MHz
Category 6/Class E component performance:	Exceeds all TIA/EIA-568-B.2-1 Category 6 and ISO 11801 2nd Edition Class E component standard requirements at swept frequencies up to 250 MHz
FCC compliance:	Meets FCC Part 68 Subpart F; contacts plated with 50 microinches of gold
IEC compliance:	Meets IEC 60603-7

key features and benefits

100% performance tested	Confidence that each jack module will deliver the critical electrical performance requirements
Utilises enhanced GIGA-TX™ technology	Optimises performance by eliminating conductor untwist; reduces installation expense
Improved termination cap	Conductor retention slots simplify termination
Modularity	Jack modules snap in and out of all MINI-COM™ faceplates, modular patch panels and surface mount boxes for fast changes
True strain relief	Controls cable bend radius for long term installed performance
Individually serialised	Jack modules can be quality traced to sub-components
Industry standard RJ45 interface	Familiar to end-users; backwards compatible

applications

The **MINI-COM™ TX6™** Jack Module is a component of the **TX6000™** Copper Cabling System. Interoperable and backward compatible, the end to end system provides design flexibility to protect network investments well into the future. With certified performance to the TIA/EIA Category 6 and ISO 11801 Class E standards, these systems are ideal for today's high performance workstation applications.

Usage of the **TX6000™** Copper Cabling System includes:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (10 Gigabit Ethernet over limited distances as specified in the industry 10GBASE-T standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16
- Voice/data systems
- Digital video and broadband/baseband analogue video
- Voice over internet protocol (VoIP)

TX6000™ Copper Cabling System

MINI-COM™ TX6 PLUS™ Jack Modules

Standard Module:	CJ688TG*
Shuttered Module:	CJD688TG*

TX6000™ UTP Cable

PVC:	PUC6004IG-EY
LSZH:	PUL6004WH-EY

MINI-COM™ Flush Mount Modular Panels

24 port Flat, 1 RU:	CPP24FMWBLY
48 port Flat, 1 RU:	CPP48FMWBLY

24 port Angled, 1 RU:	CPPA24FMWBLY
28 port Angled, 1 RU:	CPPA48FMWBLY

DP6™ Flat Punchdown Patch Panels

24 port, 1 RU:	DP24688TGY
48 port, 2 RU:	DP48688TGY

DP6™ Angled Punchdown Patch Panels

24 port, 1 RU:	DPA24688TGY
48 port, 2 RU:	DPA48688TGY

TX6™ Plus Patch Cords

	PVC (off white)	LSZH (off white)
1m	UTPSP1M**Y	UTPSPL1M**Y
1.5m	UTPSP1.5M**Y	UTPSPL1.5M**Y
2m	UTPSP2M**Y	UTPSPL2M**Y
2.5m	UTPSP2.5M**Y	UTPSPL2.5M**Y
3m	UTPSP3M**Y*	UTPSPL3M**Y
5m	UTPSP5M**Y	UTPSPL5M**Y

Termination Tools

Jack module termination tool:	EGJT‡
Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Panel punchdown tool:	PDT110

*To designate a colour, add suffix IW (Off White), EI (Electric Ivory), IG (Int'l Grey), WH (White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow), AW (Arctic White), BR (Brown) or VL (Violet).

**For cable colours other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) to the end of the part number.

‡Terminates enhanced **GIGA-TX™** Style Jack Module

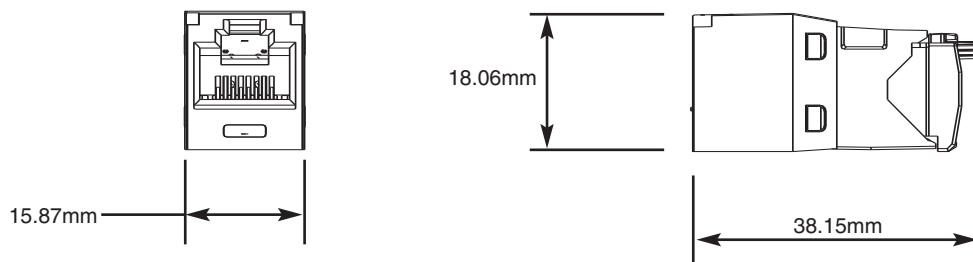
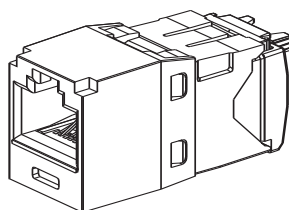
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MINI-COM™ TX6™ PLUS Jack Module

Mechanical Test	Test Method	Measurement	Typical 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 512-13b	Mating Force (N)	<20
		Un-Mating Force (N)	<20
Termination Cycles	IEC 352	Number of Cycles	>20

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 V, 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



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