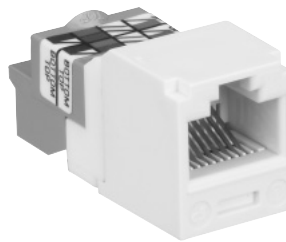


MINI-COM® TX6™ PLUS Jack Module

specifications

Eight position modules shall be used in all work areas and modular patch panels and shall meet the TIA/EIA-568-B.2-1 Category 6 standard. Modules shall be tested and approved for Category 6 ETL component compliance. The module termination to 4 pair 24 – 22 AWG 100 ohm solid unshielded twisted pair cable shall be accomplished by use of a forward motion termination cap and shall not require the use of a punchdown tool. All modules shall be 100% tested for NEXT performance. The termination cap shall be color coded for T568A and T568B wiring schemes.



technical information

Performance specifications:	Designed to meet TIA/EIA-568-B.2-1 Category 6 standard
Component compliance:	ETL tested and approved for Category 6 component compliance
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

Utilizes GIGA-TX™ Technology	Optimizes performance by reducing conductor untwist Reduces installation expense
Improved termination cap	Conductor retention slots simplify termination
Does not require the use of a punchdown tool	Can terminate with standard channel lock pliers or handy termination tool
Industry standard RJ45 interface	Familiar to end users Backwards compatible
Modularity	MINI-COM® Modules snap in and out of all MINI-COM® Faceplates, Modular Patch Panels and Surface Mount Boxes for fast moves, adds and changes
100% NEXT tested	Confidence that each module delivers NEXT performance

applications

The MINI-COM® TX6™ PLUS Jack Module applications include commercial offices, healthcare and educational institutions and manufacturing sites. In order to stay competitive, these businesses are placing increased reliance on their networks to efficiently pass vital and time sensitive business information throughout the building. Critical business applications which will be

supported by a Category 6 Cabling Plant potentially include high resolution 3-D modeling, data centers, company intranets, on-line document publishing and bringing real-time video to the desktop. The superior performance of the MINI-COM® TX6™ PLUS Jack Module ensures full support of these extended bandwidth Category 6 compatible applications.

MINI-COM® TX6™ PLUS Jack Module

Module: CJ688TP**

TX6™ PLUS Category 6 Patch Cords

3 feet:	UTPSP3
5 feet:	UTPSP5
7 feet:	UTPSP7
10 feet:	UTPSP10
14 feet:	UTPSP14
20 feet:	UTPSP20

• For additional standard cable colors available other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red) or YL (Yellow) to end of part number. For other cable colors VL (Violet) and OR (Orange), typical shipping lead time is 20 working days after receipt of order.

• For non-standard lengths 3 to 20 feet (increments of 1 foot) change the length designation in the part number to the desired length. Typical shipping lead time is 20 working days after receipt of order. Minimum order quantity is 10 (1 carton each) for these lengths.

Termination Tools (Optional)

TX style termination tool:	CGJT
Wire snipping tool:	CWST
Wire stripping tool:	CJAST

****Substitute:** IW = Off White
EI = Electric Ivory
IG = International Gray
WH = White
BL = Black
OR = Orange
RD = Red
BU = Blue
GR = Green
YL = Yellow
VL = Violet

MINI-COM[®] TX6[™] PLUS Jack Module

MINI-COM[®] TX6[™] PLUS Jack Module Test Results

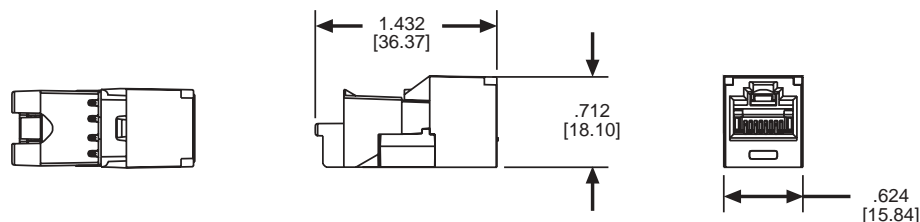
Performance Test	Test Method	Required Test Results (dB)			
		20MHz	100MHz	200MHz	250MHz
NEXT	Category 6 TIA/EIA-568-B.2-1 Standard	> 68.0	> 54.0	> 48.0	> 46.0
PS NEXT		> 64.0	> 50.0	> 44.0	> 42.0
FEXT		> 57.1	> 43.1	> 37.1	> 35.1
PS FEXT		> 54.1	> 40.1	> 34.1	> 32.2
Attenuation		< 0.09	< 0.20	< 0.28	< 0.32
Return Loss		> 35.0	> 24.0	> 18.0	> 16.0

Consult technical support for cable brand specific channel test results.

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 (microsecond)	< 5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	< 40
Mating/Unmating	IEC 512-13b	Mating Force (N)	< 20
		Unmating Force (N)	< 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 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



Dimensions are in inches (Dimensions in parentheses are metric)

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