

specifications

Eight position modular jacks shall be used in all work areas and shall exceed the connector requirements of the TIA/EIA Category 5e Standard. The jack termination to 4 pair 24 AWG 100 Ohm solid unshielded twisted pair cable shall be accomplished by downward motion snap tool.



MINI-JACK™ Category 5e Modular Jack

technical information

Connector specifications:	Exceeds all Category 5e requirements
Channel specifications:	Exceeds all Category 5e channel requirements when used with approved Category 5e cable
FCC compliance:	Meets FCC Part 68 Subpart F; contacts plated with 50 microinches of gold
IEC compliance:	Meets IEC 60603-7
Color options:	11 colors available (see side bar)

key features and ...benefits

Specifically designed to comply with Category 5e performance requirements	When used with approved Category 5e cable, provides the bandwidth needed for today's network applications
Downward motion termination	Places no localized stress on critical internal components for maximum reliability
Lead frame termination	Can be re-terminated a minimum of 10 times Ensures twists are maintained to within 1/2"
Clear termination cap	Removable clear cap provides easy troubleshooting
Universal wiring scheme	A and B wiring scheme on cap speeds installation and reduces mis-wiring
Does not require the use of a punchdown tool	Can terminate with standard channel lock pliers or handy termination tool
Industry standard RJ-45 interface	Familiar to end users

applications

The **MINI-JACK** Modular Jack offers the performance needed to support the increased data rate requirements found in commercial offices, healthcare and educational institutions, and manufacturing sites. Installing

this robust Category 5e solution today provides confidence that the system will provide for data throughput requirements with additional headroom.

MINI-JACK Modular Jacks

Universal Wiring: CJ588**

CAT 5e Modular Patch Panels

24 port: CPP24WBL
24 port with label: CPPL24WBL
48 port: CPP48WBL
48 port with label: CPPL48WBL

CAT 5e Patch Cords

1 foot: UTPCH1
3 feet: UTPCH3
5 feet: UTPCH5
7 feet: UTPCH7
10 feet: UTPCH10
14 feet: UTPCH14
20 feet: UTPCH20

MINI-JACK Termination Tool (Optional)

Termination tool: CJT-X

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

installer tip

For easy identification of jacks, use LS3E printer with L3PJ1WH labels.

MINI-JACK™ Category 5e Modular Jack

MINI-JACK Category 5e Modular Jack Test Results

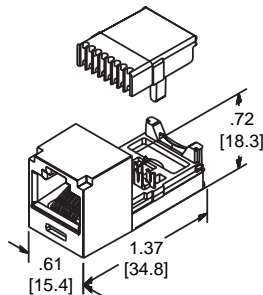
Performance Test	Test Method	100MHz Typical Test Results (dB)
<i>NEXT</i>	Additional Transmission Performance Specifications for 4-pair 100Ohm Category 5e Cabling, TIA/EIA 568-A-5	> 43
<i>FEXT</i>		> 35
<i>Attenuation</i>		< .40
<i>Return Loss</i>		> 20

Consult factory for cable brand specific channel test results

Mechanical Test	Test Method	Measurement	Typical Test Results
<i>Normal Force</i>	—	Load (grams)	> 150
<i>Vibration</i>	IEC 512-6d	Circuit Resistance Change (mOhms)	< 5
<i>Shock</i>	IEC 512-6c	Contact Disturbance (microsecond)	< 1
<i>Durability</i>	IEC 512-9a	Circuit Resistance Change (mOhms)	< 5
<i>Mating/Unmating</i>	IEC 512-13b	Mating Force (N)	< 15
		Unmating Force (N)	< 15

Electrical Test	Test Method	Measurement	Typical Test Results
<i>Low Level Circuit Resistance</i>	IEC 512-2a	Resistance (mOhms)	< 5
<i>Dielectric Withstand Voltage</i>	IEC 512-4a	1000VAC, 1 minute	Passed
<i>Insulation Resistance</i>	IEC 512-3a	Resistance (MOhms)	> 1000

Environmental Test	Test Method	Measurement	Typical Test Results
<i>Temperature Life</i>	IEC 512-9b	Circuit Resistance Change (mOhms)	< 5
<i>Humidity</i>	IEC 512-11c	Circuit Resistance Change (mOhms)	< 5
<i>Thermal Shock</i>	IEC 512-11d	Circuit Resistance Change (mOhms)	< 5
<i>Climatic Sequence</i>	IEC 512-11a	Circuit Resistance Change (mOhms)	< 5
<i>Flowing Mixed Gas Corrosion</i>	IEC 512-11g	Circuit Resistance Change (mOhms)	< 10



Dimensions are in inches (Dimensions in parentheses are metric)

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