

Giga Modular Keystone Jacks

Description

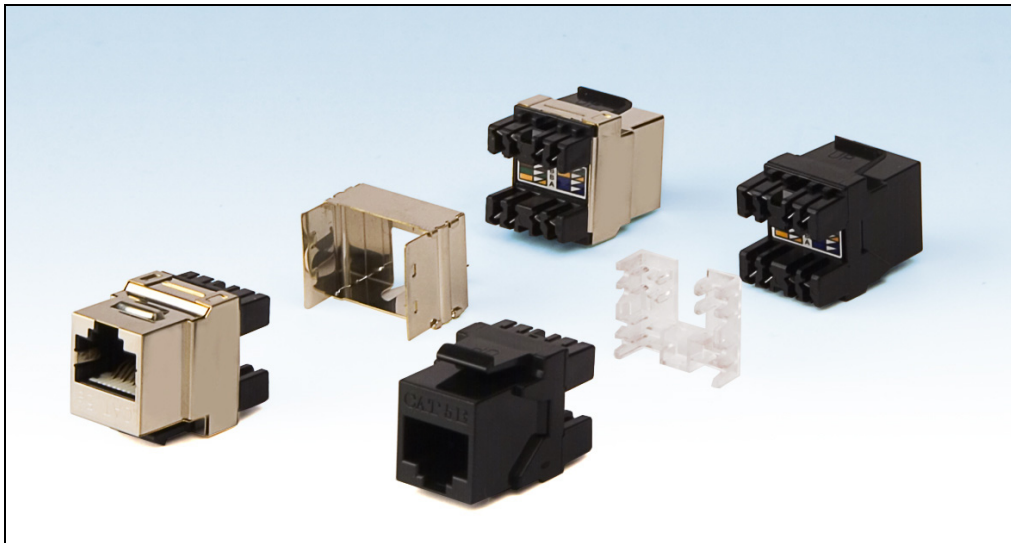
S M A R T
GIGA
WARRANTY

ENHANCED
5-15
WARRANTY



CAT-5E

CAT-5



- FCC and IEC compliant
- Compact design
- Cost effective
- Shielded and unshielded designs
- High performance:
 - RiT Giga Jacks conform to ANSI/TIA/EIA-568-B.2, ISO/IEC 11801 2nd edition (2002) and CENELEC EN50173 (2002) for Category 5e/Class D.
 - Universal blocks - 110 & Krone tool compatible - support solid or stranded 23-26 AWG wires.

- Protective strain relief caps with side and rear cable entry
- Strain relief for STP models
- Designed for high density applications
- Simple assembly and installation for reliable performance
- Compatible with a variety of international faceplates and patch panels, as per IEC 60603-7

SMART-Giga™

RiT Giga Jacks are part of the RiT SMART-Giga Cabling System™, featuring enhanced Category 5 performance. The system is designed to support protocols running at up to 1000 Mbps, ATM 622 Mbps.

Giga Modular Keystone Jacks

Description



Part of the RiT Keystone-Type Modular Jack Communications Outlet Family, Keystone-Type Jacks are cost-effective building blocks for your cabling system. The jacks can be used with both communications outlets and patch panels to maximize the flexibility of your inventory. Due to their small size, the keystones are particularly suitable for high density applications, such as 24 ports in 1U, and they fit almost every available faceplate.

RiT Giga Jacks conform to ANSI/TIA/EIA-568-B.2, ISO/IEC 11801 2nd edition (2002) and CENELEC EN50173 (2002) for Category 5e/Class D requirements, and are designed for high-speed protocols such as ATM 622 Mbps and Gigabit-Ethernet 1000 Mbps.

The jacks support both solid and stranded wires. The jacks fit in standard IEC 60603-7 openings.

Giga Modular Keystone Jacks

Specification



Electrical Specifications

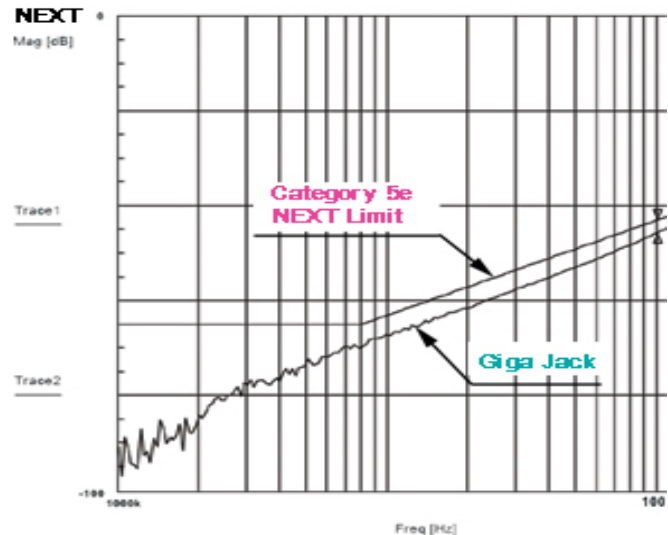
Category 5e
(Applicable for Giga Jacks)

Standard	Performance Requirements	Measurement Procedure
ANSI/TIA/EIA-568-B.2 Transmission Performance Specifications for 4-Pair 100W Category 5e Cabling	Meets all connecting hardware requirements	Annexes D, E, F and I

Giga Jacks

NEXT ratio plot is shown for worst pair combination. The following are typical NEXT measurement results at 100 MHz for all pair combinations.

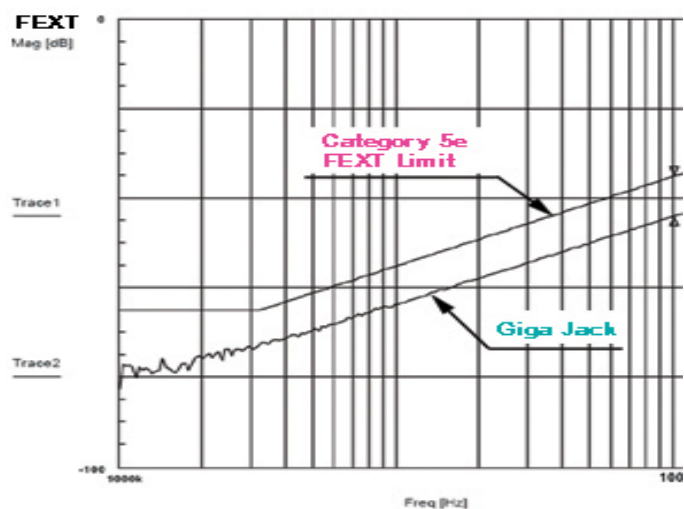
Pair Combination	NEXT (dB) 100 MHz
1-2 & 3-6	-53.9
1-2 & 4-5	-54.7
1-2 & 7-8	-62.1
3-6 & 4-5	-45.9
3-6 & 7-8	-48.9
4-5 & 7-8	-59.1



All pair combinations exceed Category 5e requirements.

FEXT ratio plot is shown for worst pair combination. The following are typical FEXT measurement results at 100 MHz for all pair combinations.

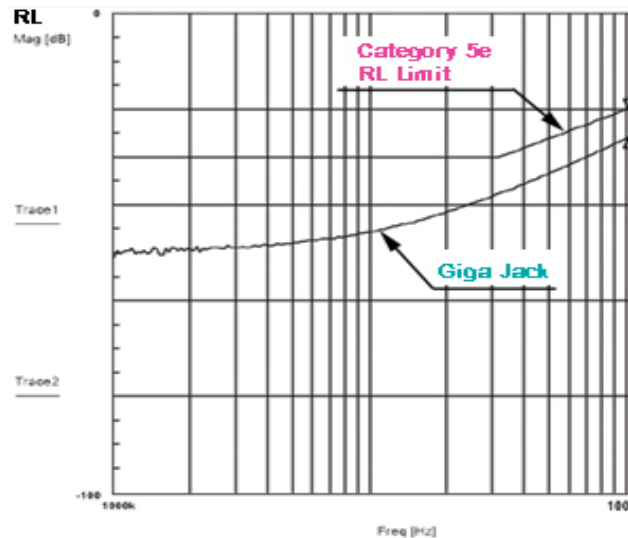
Pair Combination	FEXT (dB) 100 MHz
1-2 & 3-6	-48.2
1-2 & 4-5	-48.4
1-2 & 7-8	-60.5
3-6 & 4-5	-48.9
3-6 & 7-8	-56.4
4-5 & 7-8	-44.1



All pair combinations exceed Category 5e requirements.

Return Loss ratio plot is shown for worst pair. The following are typical Return Loss measurement results at 100 MHz for all pairs.

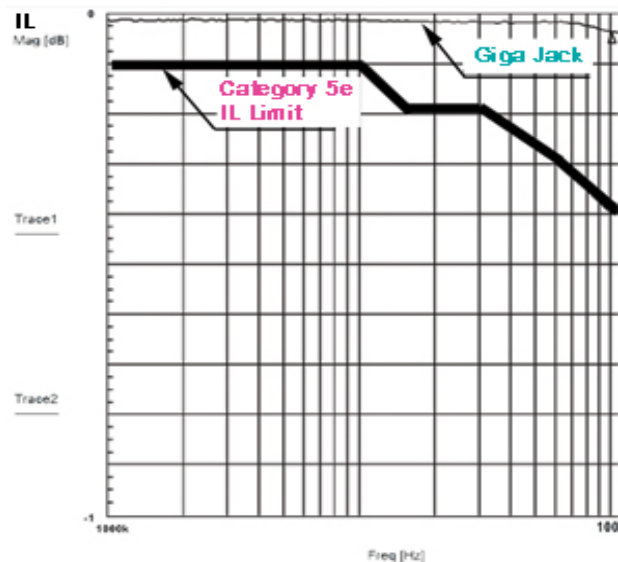
Pair Combination	Return Loss (dB) 100 MHz
1-2	-31.8
3-6	-31.3
4-5	-29.5
7-8	-25.9



All pair combinations exceed Category 5e requirements.

Insertion Loss ratio plot is shown for worst pair. The following are typical Insertion Loss measurement results at 100 MHz for all pairs.

Pair Combination	Insertion Loss (dB) 100 MHz
1-2	-0.07
3-6	-0.03
4-5	-0.05
7-8	-0.04



All pair combinations exceed Category 5e requirements.

General

- **Material**

Jack Housing

Polycarbonate UL 94V-0

Jack Contacts

Phosphor bronze, 50 micro-inch gold plating over 100 micro-inch nickel

Wiring Block Housing

Polycarbonate UL 94V-0

IDC Contacts

Lead-tin plated phosphor bronze

Shielding

Brass alloy plated with 50 micro-inch Nickel

- **Physical**

Giga Jacks

Height:	22 mm	(UTP)
	22.8 mm	(STP)
Width:	17 mm	(UTP)
	17.15 mm	(STP)
Depth:	27.95 mm	(UTP)
	29.35 mm	(STP)

- **Flammability**

Conforms to UL 94V-0

- **Standards**

Jack openings comply with IEC 60603-7 and FCC 68.500