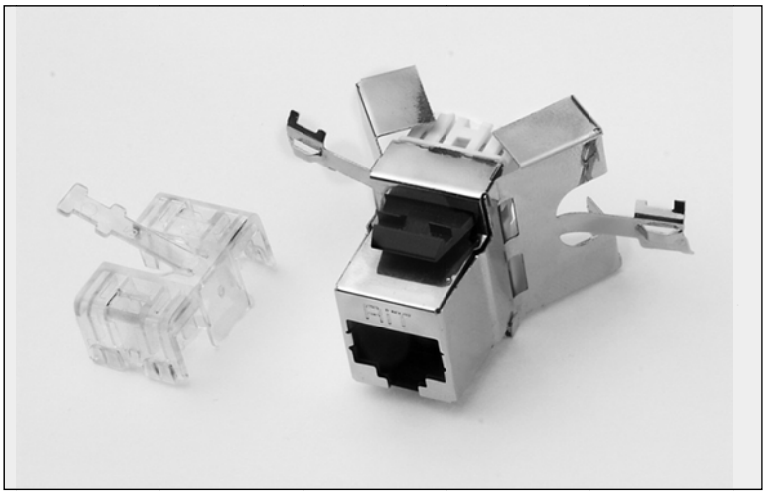
CLASSix Keystone Jack STP

Features



- Compact design, support 24 keystones in 1 row, 1U
- Conforms to ANSI/TIA/EIA-568-B.2-1, ISO/IEC 11801 2nd edition (2002) and CENELEC EN50173 (2002) for Category 6/Class E standard of component level
- Simple labor-saving termination using standard 110 Block termination and Krone tools
- Supports solid or stranded 22-26 AWG wires
- Adjustable protective strain relief
- Simple assembly and installation for reliable performance
- Compatible with a variety of international faceplates and patch panels, as per IEC 60603-7 (603-7)

CLASSix Keystone Jack STP

Description

RiT's 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.

Available for STP systems, CLASSix Jacks conform to ANSI/TIA/EIA-568-B.2-1, ISO/IEC 11801 2nd edition (2002) and CENELEC EN50173 (2002) Category 6, and are designed for high-speed applications such as ATM 622 Mbps, Gigabit Ethernet 1000 Mbps and future high-speed applications.

RiT's modular jacks are designed to work with 110 and Krone termination tools. Jacks are compatible with a wide range of standard international faceplate and patch panels. The jacks support both solid and stranded cables. Using a unique adjustable protective strain relief cap, that supports multi-directional horizontal cable termination. The jacks fit in standard IEC 60603-7 openings.

CLASSix Keystone Jack STP

Specifications

Pin No.	T568A Wire Color	T568A Pair No.	T568B Wire Color	T568B Pair No.
1	White-Green	3	White-Orange	2
2	Green		Orange	
3	White-Orange	2	White-Green	3
6	Orange		Green	
4	Blue	1	Blue	1
5	White-Blue		White-Blue	
7	White-Brown	4	White-Brown	4
8	Brown		Brown	

Notes:

(1) Pin and pair numbers are per ANSI/TIA/EIA-568-A.

(2) For Token-Ring applications use pins 3,6 & 4,5.

(3) For 10 Base-T applications use pins 1,2 & 3,6.

Electrical Specifications

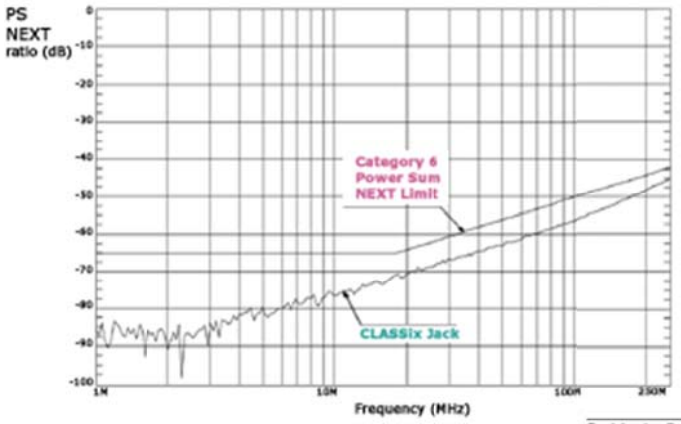
Category 6

Standard	Performance Requirements	Measurement Procedure
ANSI/TIA/EIA-568-B.2-1, ISO/IEC 11801 2nd edition (2002) and CENELEC EN50173 (2002) for Category 6/Class E	Meets all connecting hardware requirements	Annex E

CLASSix Jacks

PowerSum NEXT ratio plot is shown for worst pair. The following are typical Power Sum NEXT measurement results at 100, 200 and 250 MHz for all pairs.

Pairs	PowerSum NEXT (dB)		
	100 MHz	200 MHz	250 MHz
1-2	-55.98	-50	-47.75
3-6	-58.28	-50	-46
4-5	-56.18	-47.99	-44.97
7-8	-60.88	-52.77	-50



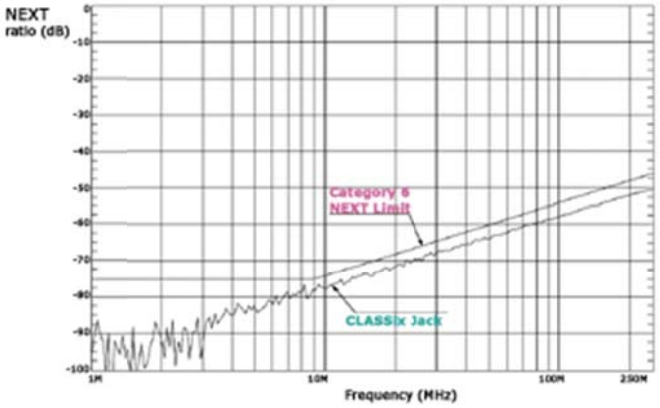
CLASSix Keystone Jack STP

Specifications

SMART CLASSix WARRANTY

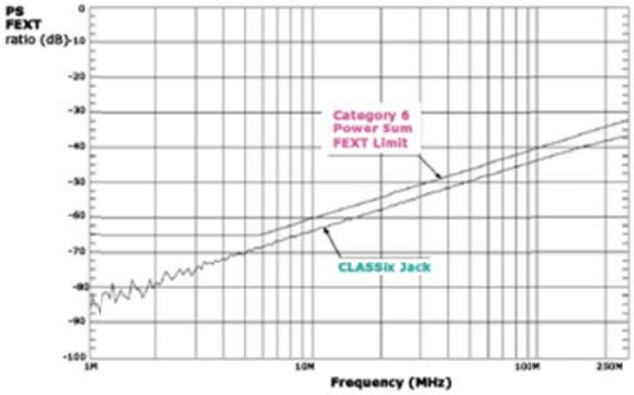
NEXT ratio plot is shown for worst pair combination. The following are typical NEXT measurement results at 100, 200 and 250 MHz for all pair combinations.

Pairs	NEXT (dB)		
	100 MHz	200 MHz	250 MHz
12-36	-61.43	-55.43	-51.65
12-45	-57.81	-51.91	-50.49
12-78	-68.31	-61.51	-59.88
36-45	-63.69	-52.14	-47.92
36-78	-64.88	-58.99	-56.87
45-78	-64.83	-54.79	-51.68



PowerSum FEXT ratio plot is shown for worst pair. The following are typical PowerSum FEXT measurement results at 100, 200 and 250 MHz for all pairs.

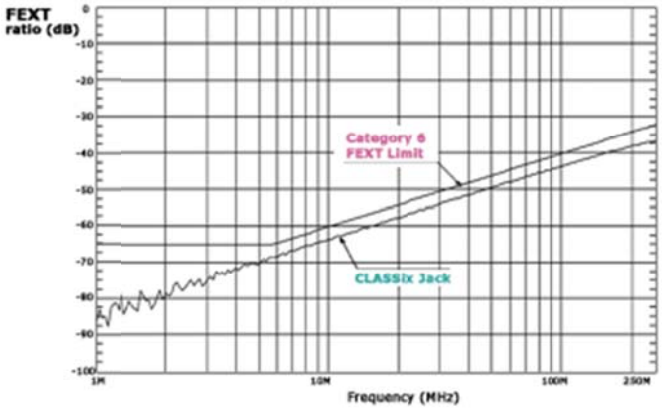
Pairs	PowerSum FEXT (dB)		
	100 MHz	200 MHz	250 MHz
1-2	-55.89	-49.44	-47.31
3-6	-43.49	-38.08	-36.7
4-5	-44.64	-39.61	-38.35
7-8	-44.73	-38.95	-37.32



CLASSix Keystone Jack STP

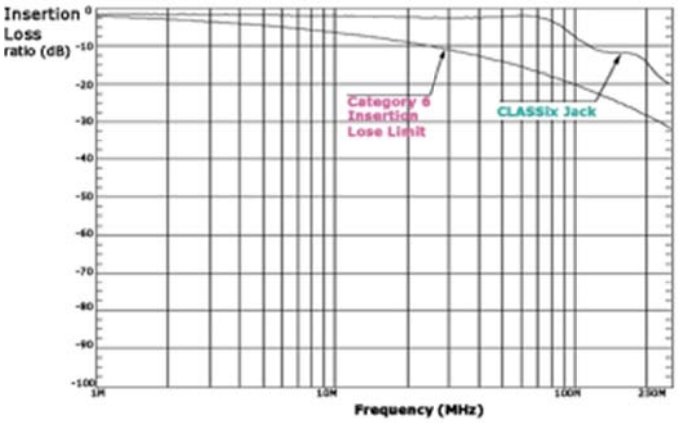
Specifications

FEXT ratio plot is shown for worst pair combination. The following are typical FEXT measurement results at 100, 200 and 250 MHz for all pair combinations.



Pairs	FEXT (dB)		
	100 MHz	200 MHz	250 MHz
12-36	-60.5	-53.8	-51.24
12-45	-59.80	-53.39	-51.56
12-78	-61.96	-55.82	-53.88
36-45	-46.56	-41.82	-40.86
36-78	-46.62	-40.67	-39.06
45-78	-49.5	-44.08	-42.43

Insertion Loss ratio plot is shown for worst pair. The following are typical Attenuation measurement results at 100, 200 and 250 MHz for all pairs.



Pairs	Insertion Loss (dB)		
	100 MHz	200 MHz	250 MHz
1-2	-0.3924	-0.8666	-0.1109
3-6	-0.6758	-0.1202	-0.1633
4-5	-0.0765	-0.1457	-0.1992
7-8	-0.0247	-0.4871	-0.7329

CLASSix Keystone Jack STP

Specifications

General

- **Jack Housing**
  Polycarbonate UL 94V-0

- **Jack Contacts**
  Phosphor bronze, 50 micro-inch gold plating over nickel

- **Wiring Block Housing**
  Polycarbonate UL 94V-0

- **IDC Contacts**
  Lead-tin plated phosphor bronze

- **Shielding**
  Nickel Plating

- **Flammability**
  Conforms to UL 94V-0

- **Standards**
  Jack openings comply with IEC 60603-7 and FCC 68.500

CLASSix Keystone Jack STP

Ordering Information

Number	Description
R3110382	CLASSix Keystone Jack, STP, B&K, 568 A+B