

Keystone Shielded Jack Modules

SPECIFICATIONS

Category 6A/Class E_A, 8-position, shielded jack module shall terminate 4-pair, 22 – 24 AWG, 100 Ohm shielded twisted pair cable and shall not require use of a punchdown tool. Shielded jack modules shall use a forward motion termination method to optimize performance. The termination cap shall include a universal label coded for T568A and T568B wiring schemes. Jack shall utilize a die-cast housing. The jack wire cap shall be fully encapsulated with the housing when terminated. The Shielded Jack Module must be installed as part of the Keystone Shielded Copper Cabling System to achieve IEEE 10GBASE-T certified performance.



TECHNICAL INFORMATION

Category 6A/Class E_A performance:	Meets ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E _A channel requirements for supporting 10GBASE-T transmission over twisted pair cabling systems in a 4-connector configuration up to 100 meters at swept frequencies 1 to 500 MHz Meets ANSI/TIA-568.2-D and ISO 11801 Category 6A component requirements at swept frequencies up to 500 MHz
FCC compliance:	Complies with ANSI/TIA-1096A (formerly FCC Part 68); contacts plated with 50 microinches of gold
IEC compliance:	Meets IEC 60603-7, IEC 60512-99-002 and UL 1863
Operating temperature:	14°F to 140°F (10°C to 60°C)
PoE compliance:	Compliant with IEEE 802.3af, 802.3at, and 802.3bt type 1, 2, 3, and 4 for power up to 100W
RoHS compliance:	Compliant
Conductor termination range:	Wire cap compatible with 22 – 24 AWG solid or stranded cable with conductor insulation diameters of 0.06 in. (1.52mm) max and overall cable O.D. 0.0200 in. to 0.330 in. (5.8mm to 8.38mm)

KEY FEATURES AND BENEFITS

Die-cast housing:	Provides a robust design to protect against physical and electromagnetic damage
Integral shield:	Provides a 360° conductive path to ground with no additional assembly required
Snap in grounding:	Shield provides seamless bonding of the jack module with Keystone All Metal Modular Patch Panels
Modular:	Shielded jack modules snap in and out of all Keystone Faceplates, Metal Modular Patch Panels and Surface Mount Boxes for easy moves, adds, and changes
Robust Construction:	Rated for 750 cycles

APPLICATIONS

Keystone Shielded Jack Modules are a component of the Keystone Shielded Copper Cabling System. This end-to-end system provides a cost effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. This shielded system provides, excellent EMI suppression and aids in secure data transmission. The Panduit solution helps ensure organizations efficiently and reliably meet their data transmission needs. The Keystone form factor allows for easy interoperability with other shielded solutions designed to the keystone standard. With certified performance to the ISO 11801 Class EA, IEEE 802.3an-2006 10GBASE-T and ANSI/TIA-568.2-D Category 6A standards, this system will support high bandwidth applications with data centers and connections to high end workstations such as stacking switches and switch-to-switch links, storage area networks, aggregation of Gigabit Ethernet channels, real-time intensive financial transactions, streaming video, animation, scientific modeling and medical imaging.

Keystone Shielded Jack Modules

Jack module:	KJS6X88TC
Jack module, Blue:	KJS6X88TCBU
Jack module, Black:	KJS6X88TCBL

Keystone Shielded Patch Panels

24-port, 1 RU:	KP24WSBL
24-port angled, 1 RU:	KPA24WSBL
48-port angled, 1 RU:	KPA48WSBL
24-port no SRB, 1 RU:	KPS24BL

Accessories

Wire stripping tool:	CJAST
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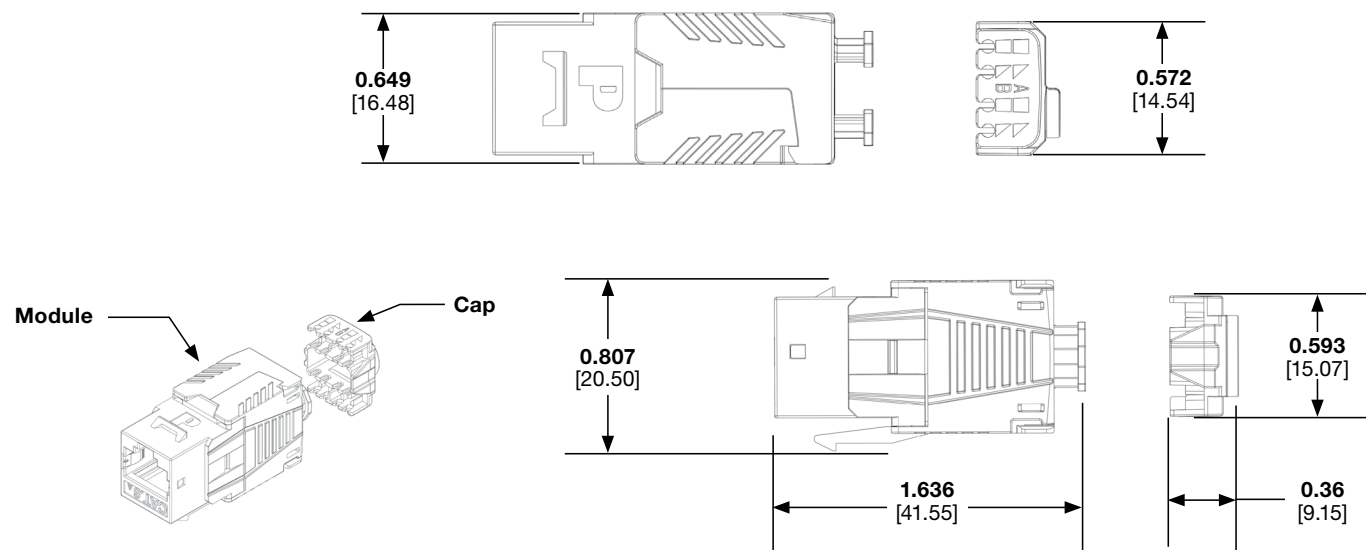
*Meter lengths: 1 - 10 meters (every 1 meter)
0.5, 15, or 20 meters

Keystone Shielded Jack Modules

TEST RESULTS

Performance Test	Test Method	Measurement	Test Results
Normal Force	–	Load (grams)	> 100
Durability	IEC 512-9a	Circuit Resistance (MOhms)	< 40
Mating/Un-mating	IEC 512-3b	Mating Force (N)	< 20
		Un-mating Force (N)	< 20
Termination Cycles	IEC 352	Number of Cycles	> 20
Mating Cycles	IEC 60603-7	Number of Plug Insertions	> 750
Insertion Force	–	–	> 30 N
Retention Strength	–	Load Between Plug and Jack	7.7 N
Electrical Test	Test Method	Measurement	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
Flowing Mixed Gas Corrosion	IEC 512-11g	Circuit Resistance (MOhms)	< 40

ENGINEERING DRAWINGS



Dimensions are in inches. [Dimensions in brackets are metric].

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