Copper | Keystone Jacks | Cat 6A

RiT's Keystone Jack is a cost-effective building block for your cabling system. The jack can be used with both communications outlets and patch panels to maximize the flexibility of your inventory.

The jack is compatible with a wide range of standard international faceplate and patch panels. The jack supports both solid and stranded cables, and fits in standard IEC 60603-7 openings.

STANDARD COMPLIANCE

- ISO/IEC 11801-1:2017 (Ed. 1.0)
- ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 60603-7-51:2010 (Ed.1.0)
- EN 50173-1:2018 / EN 50173-2:2018
- TIA-568.2-E:2024
- IEC 60512-99-002:2022 (PoE++)

- Note: The TIA Annex J recommends that permanent links should not be less than 10 meters. Short Category 6A links (<10 meters) may be difficult to pass.

PRODUCT FEATURES

- Slim design, supports up to 48 keystones in 1RU
- Tool-Less
- High performance, supports Category 6A performance specifications up to 500 MHz
- Supports solid or stranded 22-24 AWG wires
- Compatible with horizontal cables of up to 9.0 mm outer diameter
- Simple assembly and installation for reliable performance
- Designed to support PoE, PoE+ and PoE++ applications (IEEE 802.3bt , Type 4, 100W)

TECHNICAL SPECIFICASIONS

Plug Insertion Life	≥ 750 times
Keystone Jack Housing Material	Zinc die-casting, Nickel plated
Keystone Jack Plastic parts Material	PC, UL94-V0
RJ45 Contacts Material	Phosphor Bronze C5210 with undercoat nickel plating
RJ45 Contacts Finish	50μin gold plated over contact area
IDC Contacts Material	Phosphor Bronze C5191 Nickel plated
RJ45 Contact Mating Force	≥ 100 g
Plug Retention Force	5.0 Kg
Insulation Resistance	500 MΩ
Dialectric Withstanding voltage	1000 VAC
DC Current Rating	1.5 Amps
DC Resistance	0.1 Ω
Contact Resistence	20 mΩ
Standards	Jack openings dimensions comply with IEC 60603-7
Environment	Operation Temperature: -10°C to 60°C Storage Temperature: -40°C to 68°C Humidity: 10-90% non-condensing

ORDERING INFORMATION

P/N	DESCRIPTION
R3110682D	SMARTen (CAT6A) Keystone HD STP Jack, C/H

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