



Cat5e Keystone RJ45 Shielded Insert Inline Coupler

RJ45 (8P8C) Female to Female | Shielded | Cat5e / 100 MHz | Keystone



1. GENERAL DESCRIPTION

Cat5e shielded keystone inline coupler is a feed-through RJ45 (8P8C) female-to-female module that joins two shielded Cat5e patch cords or cables to make one longer run. The shielded metal housing protects against EMI / RFI, and the keystone snap-in format fits standard wall plates and patch panels for feed-through patching. Straight-through wiring maintains Cat5e performance for Gigabit Ethernet. No cable termination or tools are needed.

2. KEY FEATURES

- Feed-through RJ45 female-to-female connection — no termination or tools needed
- Shielded metal housing for EMI / RFI protection
- Cat5e performance up to 100 MHz — suitable for Gigabit Ethernet
- Straight-through wiring (8 conductors, pin-to-pin)
- Keystone snap-in format; fits standard wall plates and patch panels

3. APPLICATIONS

- Extending shielded Cat5e patch cords and cables
- Feed-through patching at wall plates and patch panels
- Shielded Cat5e links in electrically noisy environments
- Maintenance, repair and extension of existing Cat5e networks

4. APPLICABLE STANDARDS

- ANSI/TIA-568.2-D — Category 5e connecting hardware
- ISO/IEC 11801 — Class D generic cabling (Category 5e)
- IEC 60603-7 — 8-pin modular connectors (RJ45) [confirm]
- UL 94 V-0 — Flammability of plastic parts [confirm]
- RoHS — Restriction of hazardous substances [confirm]

5. PRODUCT CONSTRUCTION

Connector Type	RJ45 (8P8C) female-to-female inline coupler, keystone format
Function	Feed-through connection: joins two RJ45 cords or cables; no termination needed
Compatible Plugs	RJ45 (8P8C) plugs on shielded Cat5e cable [shielded plugs recommended]
Wiring	Straight-through (pin 1 to pin 1 ... pin 8 to pin 8)
Shielding	Shielded — metal housing
Contacts	[Gold-plated contacts — confirm]



Mounting	Snap-in keystone format for wall plates and patch panels
Housing	[Metal shielded housing; plastic insert — confirm]
Colour	[Silver / metal]
Packing	[1 pc per bag]

6. ELECTRICAL CHARACTERISTICS (AT 20 °C)

Frequency Range	1–100 MHz
Max. Contact Resistance	[$\leq 20 \text{ m}\Omega$]
Max. DC Resistance	[$\leq 0.1 \Omega$]
Min. Insulation Resistance	[$\geq 500 \text{ M}\Omega @ 100 \text{ VDC}$]
Max. Current	[1.5 A]
Voltage Rating	[72 VDC max.]
Pin Assignment	Straight-through, 8 conductors
Mating Plugs	RJ45 (8P8C) plugs [shielded recommended]

7. INSTALLATION & HANDLING GUIDELINES

- Use shielded Cat5e (or higher) patch cords with shielded RJ45 plugs on both sides of the coupler.
- Insert the plugs fully until they latch; do not force them in.
- Keep separation from power cables according to local wiring standards (EN 50174-2 / TIA-569).
- Keep the total channel, including all cords and couplers, within 100 m; each coupler adds a connection and insertion loss.
- Ground the shielded system correctly according to local wiring standards.
- Test every installed link with a certified cable tester (Category 5e channel).