RJ45 Coupler, Inline Cat6 Coupler, Female to Female (F/F) T568B Connector, Unshielded Ethernet Cable Extension

**Product ID:** IN-CAT6-COUPLER-U1




Connect two Cat 6 cables to extend a network connection using this RJ45 Inline Coupler. The female to female Ethernet coupler maintains optimal signal integrity while achieving low insertion loss that exceeds industry standards.

The Cat6 Coupler facilitates 10Gbps, 1Gbps, and 10/100 speeds and is compatible with common networking standards including 10/100/1000BASE-T, and advanced protocols such as 2.5GBASE-T/5GBASE-T

The RJ45 Coupler features a durable polycarbonate housing and gold-plated phosphor bronze RJ45 contacts for dependable, long-lasting performance and reliability.

## Certifications, Reports and Compatibility

## Applications

• Join two Cat6 cables to extend a network connection

## Features

• INLINE CAT6 COUPLER: RJ45 Coupler features a compact design with straight-through TIA/EIA-568-B configuration; Connect two Cat6 Ethernet cables seamlessly in tight spaces; Ideal for office use, server setups, and home networks

• ROBUST CONSTRUCTION: Cat6 Ethernet Coupler with durable polycarbonate housing enhances wear protection in tough environments; Female RJ45 contacts made from phosphor bronze for improved conductivity and corrosion resistance

• RELIABLE DATA TRANSMISSION: Supports 10Gbps, 1Gbps, and 10/100 Ethernet speeds with PoE for versatile and reliable transfer rates between devices; Insertion Loss margin of 35.4dB with 17.5dB Headroom exceeds TIA-568-C.2 standards

• COMPATIBILITY: Compatible with Cat 6 and Cat 5/5e cables, 10/100/1000 and 2.5G/5G/10G networks; Compatible Standards: 10BASE-T/100BASE-TX/100BASE-T4/1000BASE-T, 2.5GBASE-T/5GBASE-T, ATM-25/ATM-51/ATM-155, TR-16 Active/Passive, TR-4, 100VG-AnyLan

• QUICK INSTALLATION: Simple plug-and-play design requires no tools for quick and hassle-free setup; No additional software or configuration required; This Cat6 Inline RJ45 Coupler is available in a 5-Pack (IN-CAT6-COUPLER-U5)

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|---|---|---|
| **Hardware** | | |
| | Warranty | Lifetime |
| | Active or Passive Adapter | Passive |
| | Ports | 2 |
| | Number of Conductors | 8P8C |
| | Industry Standards | IEEE 802.3 10/100/1000BASE-T |
| | | IEEE 802.3bz 2.5GBASE-T |
| | | IEEE 802.3bz 5GBASE-T |
| | | IEEE 802.3ae 10GBASE-T |
| **Performance** | | |
| | MTBF | Tested to 750 connector mating cycles |
| **Connector(s)** | | |
| | Connector A | 1 - RJ-45 |
| | Connector B | 1 - RJ-45 |
| **Environmental** | | |
| | Operating Temperature | 0C to 70C (32F to 158F) |
| | Storage Temperature | -40C to 85C (-40F to 185F) |
| | Humidity | 15%-65% |

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|---|---|---|
| **Physical Characteristics** | | |
| | Color | White |
| | Material | Polycarbonate |
| | Product Length | 1.2 in [3.0 cm] |
| | Product Width | 0.6 in [1.5 cm] |
| | Product Height | 0.7 in [1.7 cm] |
| | Weight of Product | 0.0 oz [0.0 g] |
| **Packaging Information** | | |
| | Package Length | 2.2 in [5.5 cm] |
| | Package Width | 3.6 in [9.1 cm] |
| | Package Height | 0.7 in [1.9 cm] |
| | Shipping (Package) Weight | 0.3 oz [8.0 g] |
| **What's in the Box** | | |
| | Included in Package | 1 - RJ45 Modular Inline Coupler Unshielded |

***Product appearance and specifications are subject to change without notice.***