Shielded RJ45 Coupler, Inline Cat6a Coupler, Female to Female (F/F) T568B Pinout, Shielded Ethernet Cable Extension

Product ID: IN-CAT6A-COUPLER-S1

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

The Cat6a Coupler supports up to 10Gbps and is compatible with common networking standards including 10/100/1000BASE-T, and advanced protocols such as 2.5GBASE-T/5GBASE-T. The Shielded Inline RJ45 coupler facilitates Power-over-Ethernet (PoE) to power network peripheral devices.

The Shielded RJ45 Cat6a Coupler features a durable metal outer shell with ABS inner housing to enhance EMI protection, and gold-plated phosphor bronze contacts for dependable, long-lasting performance and reliability.

Certifications, Reports and Compatibility

Applications

• Join two shielded Cat6a cables to extend a network connection

• Extend a PoE connection to a network device or peripheral

Features

• SHIELDED CAT6A COUPLER: Shielded RJ45 Coupler features a compact design with straight-through TIA/EIA-T568B pinouts; Connect two Cat6a or Cat6 Ethernet cables seamlessly in tight spaces; Ideal for office use, server setups, and home networks

• ROBUST CONSTRUCTION: Cat6a Ethernet Coupler features a durable metal outer shell with ABS inner housing for enhanced EMI and wear protection; Female RJ45 contacts made from gold-plated phosphor bronze for optimal conductivity and corrosion resistance

• RELIABLE DATA AND POWER: Facilitates Power over Ethernet (PoE) output to networking devices and peripherals; Supports 10Gbps, 1Gbps, and 10/100 speeds for versatile and reliable transfer rates between devices

• COMPATIBILITY: Compatible with Cat 6/6a and Cat 5/5e cables; Support 2.5G/5G/10G and 10/100/1000 networks; Extend a PoE connection to a network camera, access point, or switch; Cat6a performance is compliant with ANSI/TIA/EIA-568-C standards

• QUICK INSTALLATION: Simple plug-and-play design requires no tools for quick and hassle-free setup; No additional software or configuration required

Hardware

	Warranty	Lifetime
	Active or Passive Adapter	Passive
	Ports	2
	Number of Conductors	8P8C
	Connector Plating	Gold
	Wiring Standard	TIA/EIA-T568B

Performance

	Maximum Data Transfer Rate	10 Gbps
	Maximum Cable Length	328.0 ft [100 m]
	MTBF	Tested to 750 connector mating cycles

Connector(s)

	Connector A	1 - RJ-45
	Connector B	1 - RJ-45

Environmental

	Operating Temperature	-20C to 65C (-4F to 149F)
	Storage Temperature	-25C to 75C (-13F to 167F)

	Humidity	30-70%

Physical Characteristics

	Color	Silver
	Connector Style	Straight
	Material	ABS
		Metal
	Product Length	1.2 in [3.1 cm]
	Product Width	0.6 in [1.6 cm]
	Product Height	0.8 in [2.0 cm]
	Weight of Product	0.0 oz [0.0 g]

Packaging Information

	Package Length	3.5 in [9.0 cm]
	Package Width	4.9 in [12.5 cm]
	Package Height	0.1 in [2.0 mm]
	Shipping (Package) Weight	0.4 oz [10.0 g]

What's in the Box

	Included in Package	1 - RJ45 Shielded Modular Inline Coupler - Cat6a

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