

CAT6A FTP RJ45-RJ45 90D Inline Coupler

M606



Overview

The CAT6A FTP RJ45-RJ45 90D Inline Coupler is a high-performance Ethernet adapter designed to seamlessly connect two network cables while altering the cable's angle from 180 degrees to 90 degrees, especially suitable for scenarios like wall-to-floor cabling where cable needs to be redirected without bending, ensuring efficient and space-saving cable routing. The coupler features gold-plated contacts to provide superior resistance to corrosion, and the zinc alloy housing is used for enhanced shielding performance to reduce interference and maintain optimal signal quality, supporting 10 Gbps data transmission with CAT6A cables. Compatible with all RJ45 connectors, the plug-and-play solution is perfect for home and professional networking setups.

Benefits

10 Gbps high-speed data transmission (CAT6A)

Superior zinc alloy shell shielding

Compact right-angle design

Durable construction

Plug-and-play design for tool-free installation

Fully compatible with RJ45 connectors



Technical Specification

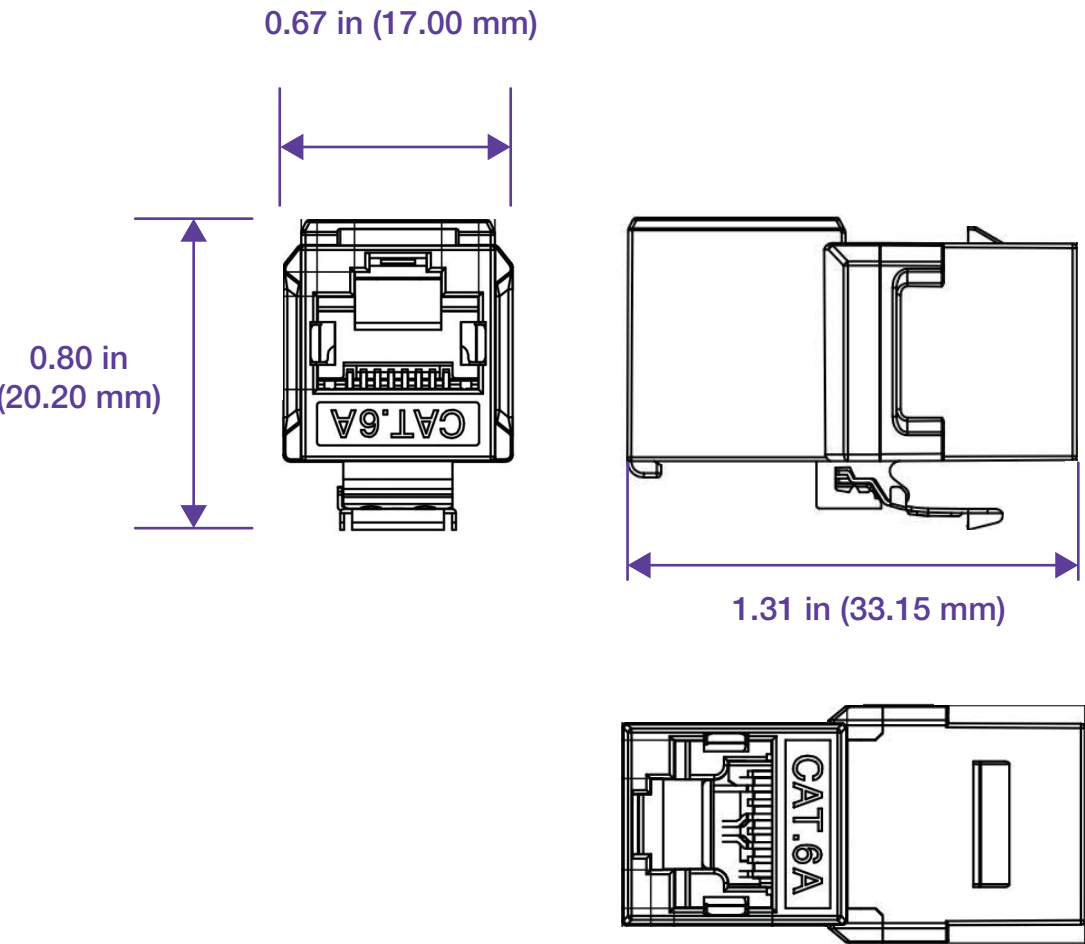
Parameter	Value
Product Type	CAT6A Shielded Coupler
Color	Silver
Metal Case Material	Zinc Alloy Nickel Plated
Plastic Part Material	PC
Contact Area Material	Phosphor Bronze with Gold Plating (3 μ m)
PCB Material	FR-4
Size	0.67 inch $\times$ 0.80 inch $\times$ 1.31 inch (17.00 mm $\times$ 20.20 mm $\times$ 33.15 mm) (L $\times$ W $\times$ H)
Net Weight	0.76 oz (21.50 g)
Functions	Connects and extends two RJ45 network cables from 180 degrees to 90 degrees orientation and provide metal shielding
Compatibility	RJ45 Connectors (CAT5/CAT5E/CAT6/CAT6A) (CAT6A is recommended)
Data Rate Support	CAT6A Performance: 10 Gbps
Bandwidth	CAT6A Performance: 500 MHz
Shielding Type	Metal Shielding
PoE Capability	PoE per IEEE 802.3af, PoE+ per IEEE 802.3at
Contact Coating	T = 0.4
Plug Force	$\leq$ 30 N
RJ45 Contact Life	$\geq$ 750 Times/Min
Style	RJ45 Shielded Coupler
Rated Voltage	125 V AC RMS
Current Rating	1.5 AMP
Contact Resistance	$\leq$ 20 m Ω
Insulation Resistance	$\geq$ 500 m Ω , 500 V DC
Withstand Voltage	DC 1000 V AC 700 V RMS 60 Hz, 1 min
Fluke Test	ASIN/TIA 568C CAT6A ISO 11801 PL Class E 90 m/20 m
Operating Temperature Range	32 $^{\circ}$ F to 158 $^{\circ}$ F (0 $^{\circ}$ C to 70 $^{\circ}$ C)
Storage Temperature Range	-40 $^{\circ}$ F to 185 $^{\circ}$ F (-40 $^{\circ}$ C to 85 $^{\circ}$ C)

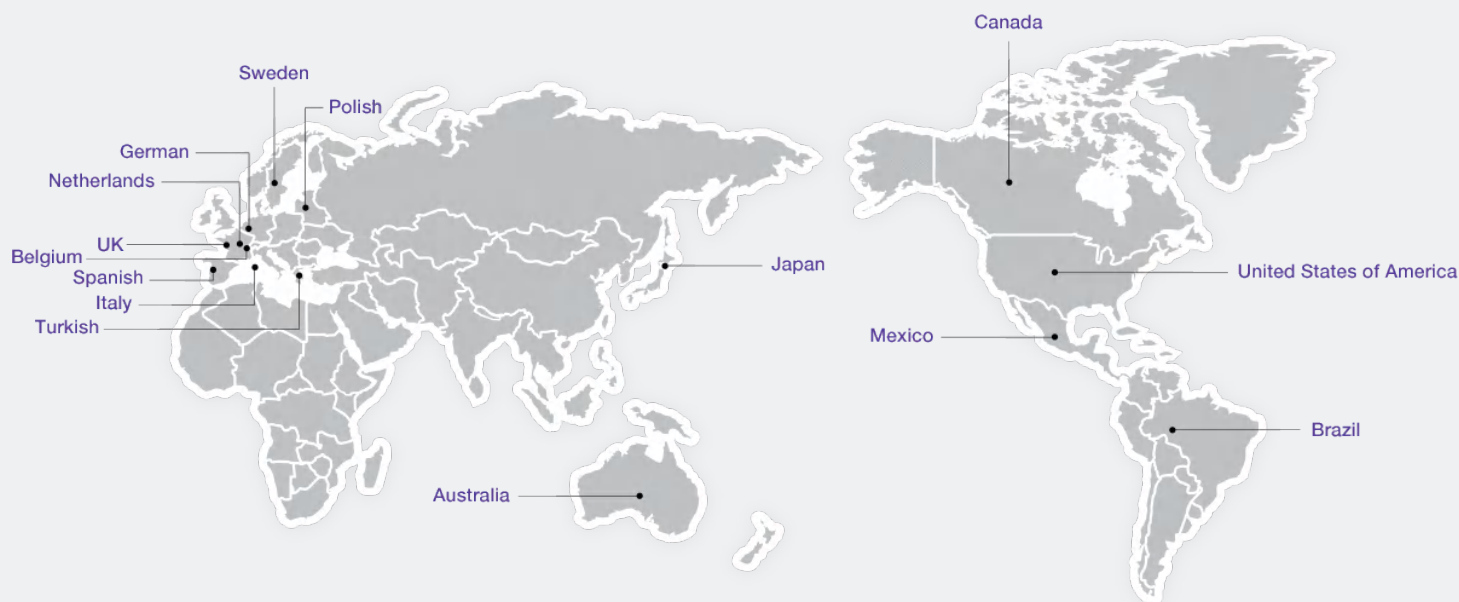
Technical Specification

Parameter	Value
Environmental Requirements	Designed for indoor use in structured cabling systems, such as offices, data centers, and residential networks. Avoid exposure to direct sunlight, water, or outdoor environments.
Maintenance and Cleaning	<p>Cleaning Guide:</p> <p>Use a dry, lint-free cloth or brush to gently clean the exterior (dust or debris). Avoid using abrasive materials or liquids that may damage the shielding or contacts.</p> <p>Storage Tip:</p> <p>When not in use, store the coupler in a cool, dry place away from excessive heat, moisture, or dust.</p>

Technical Specification

Unit	in/mm
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 <https://www.vcelink.com>

Company Profile

HANGZHOU HONGJIE ELECTRONICS CO., LTD, established in 2006, is headquartered in Hangzhou, China. Under its brand "VCELINK," the company specializes in the production and sale of high-quality network accessories, network cables, optical cables, patch cords, audio-video accessories, as well as various types of tools. These products are primarily used in the fields of structured cabling, computers, and the electronics industry. VCELINK offers personalized customization services to its customers, and in addition to online direct purchases, users can also choose bulk procurement or customized services, all aimed at meeting the unique needs of various customers.

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