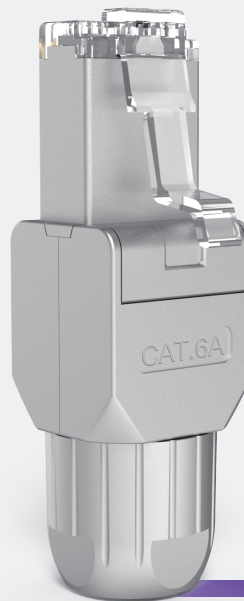


Compact Toolless Cat6a Connector, Shielded

KJ31-6A



Overview

The Compact Toolless Cat6a Connector (Shielded) is a high-performance, shielded modular plug designed for rapid, reliable terminations without the need for specialized crimping tools. It supports 10 Gigabit Ethernet and 500 bandwidth over Cat6a cabling. The connector provides exceptional signal integrity and EMI protection for professional data center, enterprise, and industrial environments. Its precision die-cast zinc alloy housing, gold-plated contacts, and a streamlined tool-free assembly mechanism, ensure superior durability and ease of use, making it ideal for high-density or field termination applications.

Benefits

Supports up to 10 Gbps and 500 MHz bandwidth

Zinc alloy shell blocks EMI/RFI for stable signal

Tool-free termination is perfect for field use

Compatible with both T568A and T568B wiring schemes

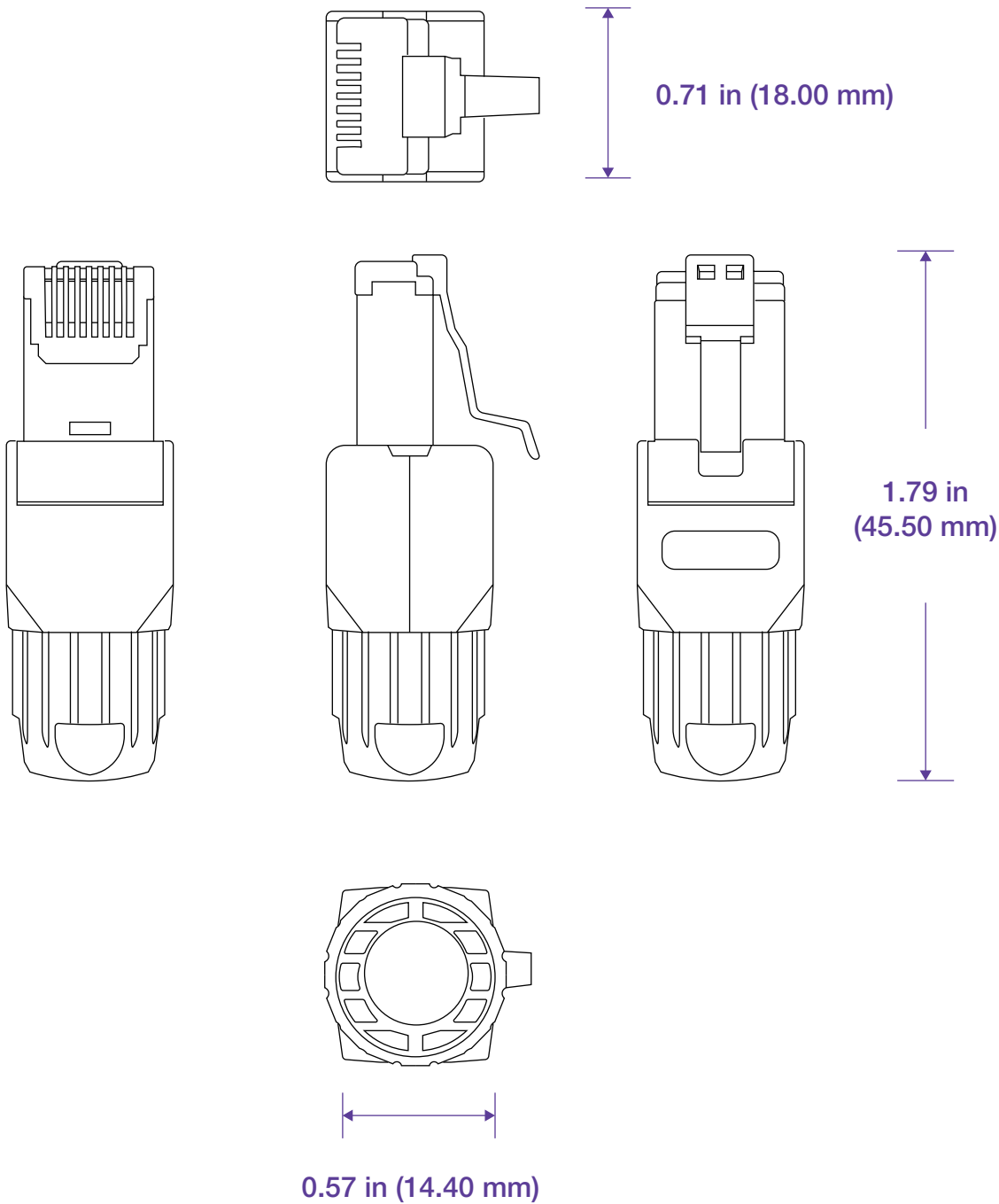
Features a durable, recyclable design

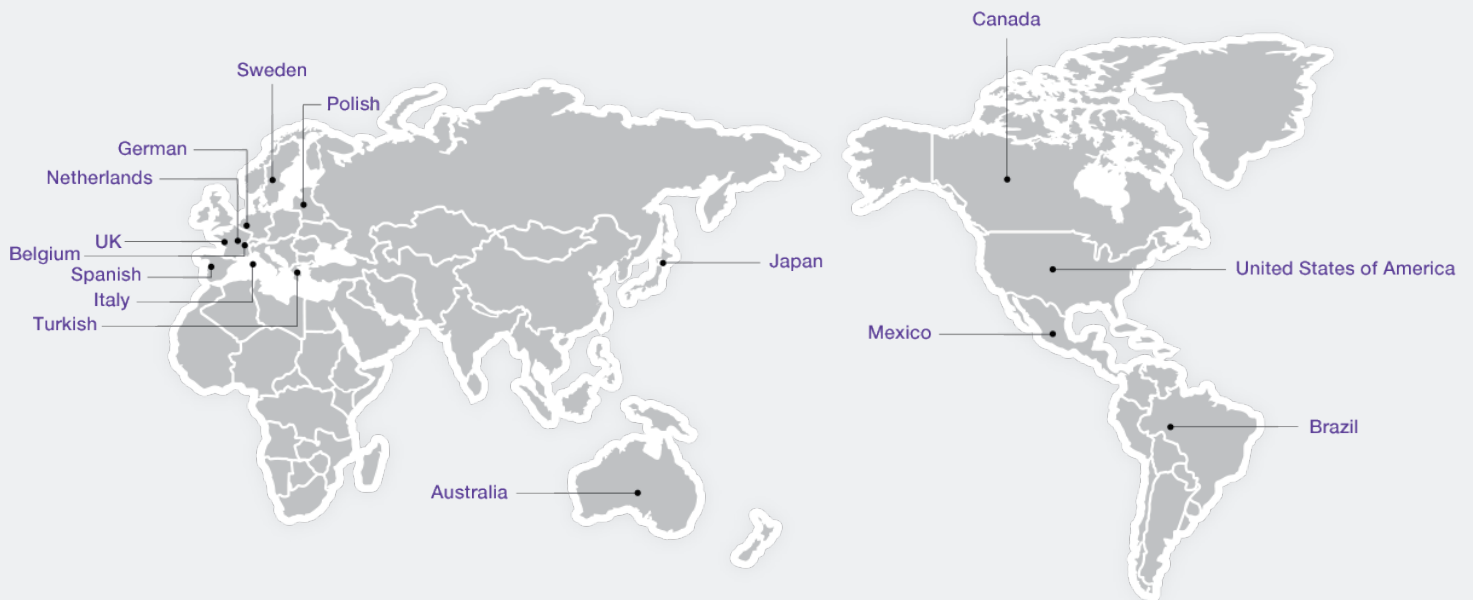
Technical Specification

Parameter	Value
Product Type	Toolless Cat6a Connector
Color	Silver
Metal Shell Material & Process	Zinc Alloy, Nickel Plated, Die Casting
PIN Material	Phosphor Bronze, Gold Plated
IDC Material	Phosphor Bronze, Nickel Plated
Size	1.79 in x 0.57 in x 0.71 in (45.50 mm x 14.40 mm x 18.00 mm)
Net Weight	15.00 g (0.03 lb)
Termination Type	8P8C Connector
Data Rate Support	10 Gbps (Requires a Category 6A or 7 cable)
Bandwidth Support	500 MHz (Requires a Category 6A or Better)
AWG Compatibility	22 AWG - 24 AWG
Cable Diameter	0.28 inch - 0.33 inch (7.00 mm - 8.5 mm)
Insulation Diameter	0.04 inch - 0.06 inch (1.10 mm - 1.48 mm)
Conductor Diameter	0.020 inch - 0.025 inch (0.511 mm - 0.643 mm)
Wiring Scheme	T568A/T568B
Style	Toolless; Shielded
RJ45 Port Life	≥ 800 times
IDC Termination Life	≥ 100 times
Storage Temperature	-40°F-158°F (-40°C-70°C)
Operating Temperature	14°F-140°F (-10°C-60°C)
Environmental Requirements	This connector suits indoor installations in enterprise networks, data centers, industrial automation panels, and high-density telecommunications racks.
Maintenance and Cleaning	<p>Store in a dry, clean environment away from corrosive substances and high humidity.</p> <p>If needed, gently clean the outer metal shell with a dry cloth. Do not immerse in liquids or use chemical solvents.</p> <p>Visually inspect contacts and shield integrity before installation. Confirm proper cable diameter and conductor sizing to ensure compliance.</p>

Technical Specification

Unit	in/mm
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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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