Cat6 RJ45 Female to Female Coupler

M223BK-C6

Overview

The Cat6 RJ45 Female-to-Female Coupler effortlessly extends your network by reliably connecting two Cat6 Ethernet cables with a seamless feed-through connection. Its 180-degree opposite-facing interfaces offer greater installation flexibility to accommodate various cabling needs. Compatible with patch panels and wall plates, it supports speeds up to 1000 Mbps and a bandwidth of 250 MHz, ensuring high-speed and stable performance. Compliant with ANSI/-TIA/EIA-568B.C standards, it is an ideal choice for home and office networks.

Benefits

Extends two RJ45 patch cables

180-degree ports for flexible installation

Compliant with ANSI/TIA/EIA-568B.C standards

Tool-free connection for pre-terminated cables

Backward compatible with Cat5e and Cat5 cables

Compatible with keystone patch panels and wall plates

CE

Technical Specification

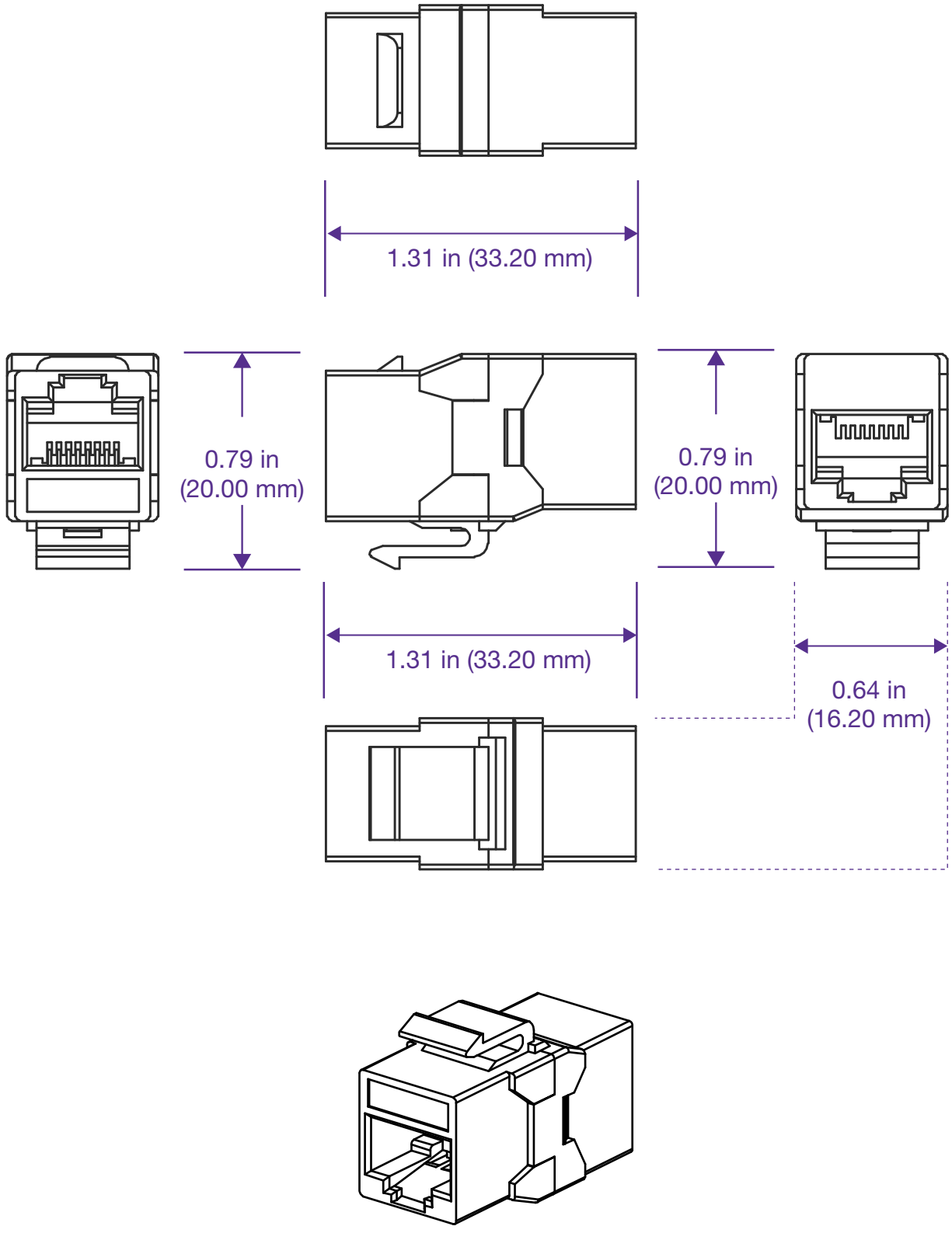
Parameter	Value
Product Type	Cat6 RJ45 Coupler
Color	Black
Housing Material	PC
Insert Material	PC
PCB Material	FR-4
RJ45 Contact Material	Phosphor Bronze, Gold Plated
Pin Process	Stamping
Size	1.31 in x 0.64 in x 0.79 in (33.20 mm x 16.20 mm x 20.00 mm) (L x W x H)
PCB Thickness	0.06 inch (1.60 mm)
Pin Thickness	0.01 inch (0.30 mm)
Net Weight	0.01 lb (5.60 g)
Functions	Extends or joins two Cat6 Ethernet cables for seamless network connectivity.
Applicable Equipment	Keystone Patch Panels and Wall Plates
Compatibility	Cat6/Cat5e/Cat5 Cables
Port	2
Data Rate Support	1000 Mbps
Bandwidth	250 MHz
Shielding Type	Unshielded
Wiring Type	T568A/B
Style	Keystone Coupler; Unshielded
Operating Temperature Range	32°F - 158°F (0°C - 70°C)
Storage Temperature Range	-40°F - 185°F (-40°C - 85°C)
Voltage Rating	125 VAC RMS
Current Rating	1.5 AMP
Contact Resistance	100 mΩ MAX.
Insulation Resistance	1,000 MΩ MIN. @ 500 VDC
Dielectric Strength	750 VAC RMS 60Hz, 1 Minute

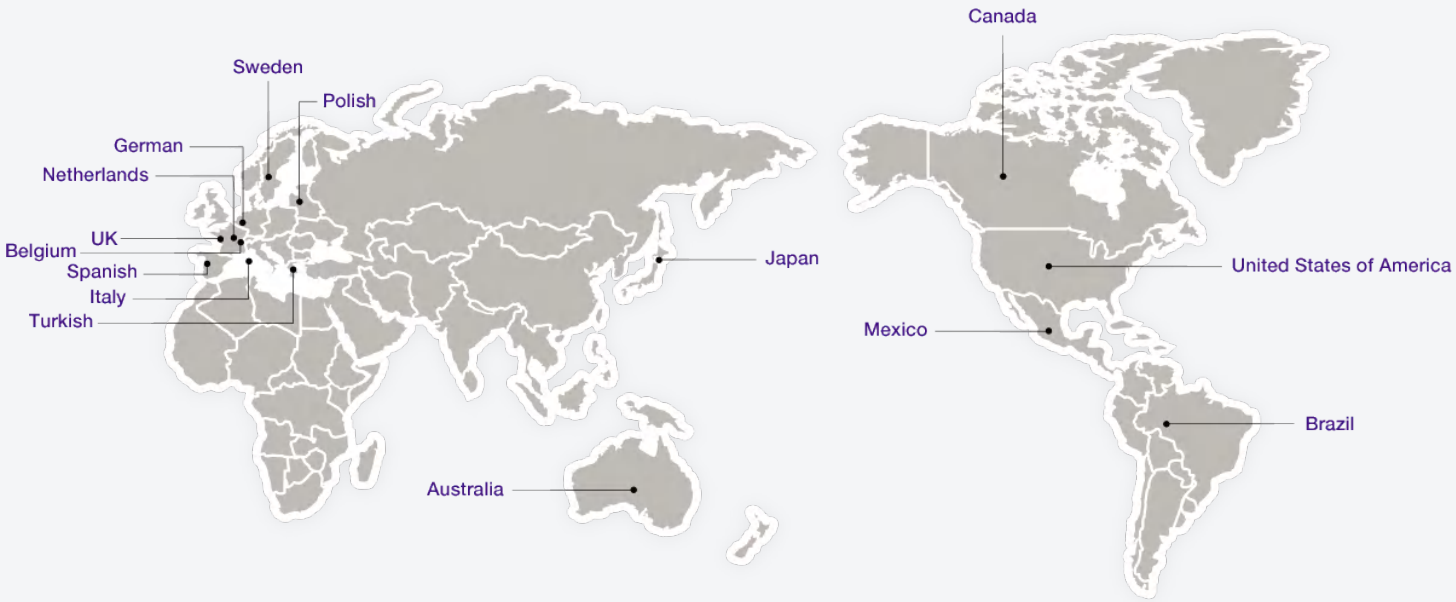
Technical Specification

Parameter	Value
Implementation Standards	ANSI/TIA/EIA-568B.C
Environmental Requirements	Avoid Dust & Moisture: Keep clean and dry. Low Electrical Interference: Use in areas with minimal EMI. Good Ventilation: Ensure proper airflow.
Maintenance and Cleaning	Clean with a dry, lint-free cloth. Avoid moisture. Inspect for damage. Store in a dry place.

Technical Specification

Unit	in/mm





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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