

## VCELINK C260BL-6-25P-US

# VCELINK RJ45 Cat6 Keystone Jacks with Dust Cover - Instruction Manual

Model: C260BL-6-25P-US

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your VCELINK RJ45 Cat6 Keystone Jacks. These jacks are designed for reliable high-speed data transmission in various networking environments. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

## PRODUCT FEATURES

- **Slim Profile Design:** Compatible with patch panels, wall plates, and surface mount boxes, allowing for easy side-by-side installation in high-density setups.
- **High Performance:** Supports Cat6, Cat5e, and Cat5 cables for data transmission up to 1000 Mbps. Suitable for 22-26 AWG solid wire and supports Power over Ethernet (PoE).
- **Ultimate Durability:** Features impact-resistant construction, color-coded labels for safe installation, IDC terminals for strain relief, and secure covers.
- **Dust and Debris Protection:** Integrated spring-loaded dust cover protects RJ45 ports and gold-plated contacts from dust, lint, and debris, ensuring optimal connection quality and enhancing connector tightness.



Image: Close-up of a VCELINK RJ45 Cat6 keystone jack with an automatic rebound dust cover, showing the protective mechanism.

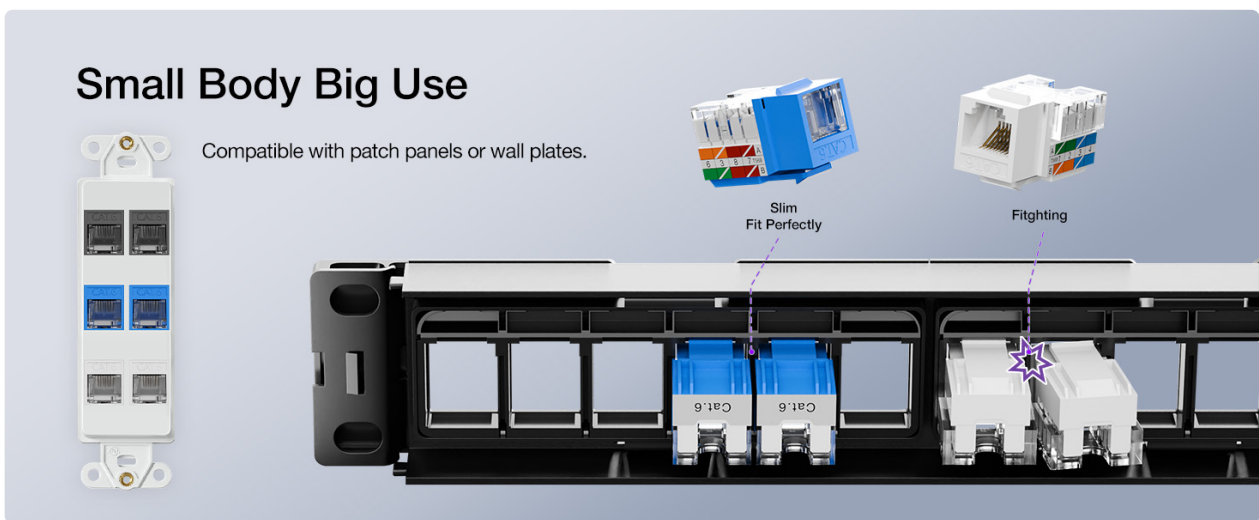


Image: Comparison showing the slim profile of VCELINK keystone jacks fitting perfectly in a wall plate and patch panel, highlighting their compact design.

## PACKAGE CONTENTS

Each package includes 25 VCELINK RJ45 Cat6 Keystone Jacks with integrated dust covers.

## INSTALLATION INSTRUCTIONS

Follow these steps for proper installation of the keystone jacks:

1. **Strip the Jacket:** Carefully strip approximately 1 inch of the outer jacket from the Ethernet cable, exposing the twisted pairs.
2. **Separate the Wires:** Untwist and separate the individual colored wires.
3. **Fix Wires into Jack:** Align the wires according to the T568A or T568B color code guide on the keystone jack. Insert each wire into its corresponding slot.
4. **Punch Down Wires:** Use a punch down tool to firmly press each wire into the IDC terminals. The tool will simultaneously cut off any excess wire.
5. **Cover the Cap:** Securely close the clear plastic cap over the punched-down wires to protect the connections and provide strain relief.

6. **Install into Wall Plate/Patch Panel:** Insert the assembled keystone jack into a compatible wall plate or patch panel until it clicks into place. To remove, gently pry the keystone jack using a flat-blade screwdriver.

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Image: Step-by-step visual guide for installing the VCELINK Cat6 keystone jack, including stripping, wiring, punching down, and covering.

Video: Official video demonstrating the installation and features of VCELINK RJ45 Cat6 Keystone Jacks, including the use of a speed termination tool and compatibility with wall plates and patch panels.

## WIRING GUIDE

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The VCELINK Cat6 Keystone Jacks support both T568A and T568B wiring standards. Ensure consistency in wiring throughout your network for proper functionality.

- **T568A Wiring Order:** Green/White, Green, Orange/White, Blue, Blue/White, Orange, Brown/White, Brown
- **T568B Wiring Order:** Orange/White, Orange, Green/White, Blue, Blue/White, Green, Brown/White, Brown

Refer to the color-coded labels on the keystone jack for precise wire placement.

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Image: Diagram illustrating T568B and T568A wiring standards for VCELINK Cat6 keystone jacks, showing the correct wire sequence.

## OPERATING INSTRUCTIONS

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Once installed, the keystone jacks function as standard RJ45 ports. Simply plug in a compatible Ethernet cable (Cat5, Cat5e, or Cat6) into the front of the jack to establish a network connection. The spring-loaded dust cover will automatically retract when a cable is inserted and close when removed, protecting the contacts.

## MAINTENANCE

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These keystone jacks require minimal maintenance. The integrated dust cover helps keep the contacts clean. If necessary, gently wipe the exterior of the jack with a dry, lint-free cloth. Avoid using harsh chemicals or abrasive materials.

## TROUBLESHOOTING

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### No Network Connection:

- Verify that the Ethernet cable is securely plugged into both the keystone jack and the network device.
- Check the wiring at the back of the keystone jack to ensure all wires are correctly punched down and follow either T568A or T568B standard consistently.
- Test the Ethernet cable itself for continuity using a cable tester.
- Ensure the connected network device (router, switch, computer) is powered on and functioning correctly.

### Slow Network Speed:

- Confirm that all components in your network chain (cables, switches, routers) are rated for Cat6 or higher to support desired speeds.
- Inspect the cable connections for any loose wires or damage.
- Ensure the cable length does not exceed the maximum recommended length for Cat6 (100 meters for 1 Gbps).

## SPECIFICATIONS

Feature	Detail
Product Type	CAT6 Keystone Jack
Wiring Diagram	T568A/T568B
Dimensions (L*W*H)	1.23 in * 0.67 in * 0.85 in (31.20 mm * 17.03 mm * 21.70 mm)
Termination Type	Keystone Jack
Style	90-degree; Unshielded
Data Rate Support	1000 Mbps (1 Gigabit Per Second)
Contact Area Material	Phosphor Bronze, Nickel plated. Gold plated on plug contact area
IDC Terminal Material	Phosphor Bronze, Tin Plated
Mating Cycles	750 Cycles MIN.
Usage	Solid Wires 22 AWG to 26 AWG
Outer Material	Acrylonitrile Butadiene Styrene (ABS)
Maximum Voltage	50 Volts (DC)
Color	Blue
Number of Items	25

Image: Table detailing product specifications for VCELINK Cat6 keystone jacks, including dimensions, wiring, data rate, and materials.

## WARRANTY AND SUPPORT

VCELINK provides an 18-month after-sale service for these RJ45 Cat6 Keystone Jacks. For technical support or warranty claims, please contact VCELINK customer service through their official website or the retailer where the product was purchased.