Kxable KXCAT5E-25F-1P-BK

Kxable Cat5e Ethernet Cable User Manual

Model: KXCAT5E-25F-1P-BK

Brand: Kxable

1. Product Overview

The Kxable Cat5e Ethernet Cable provides a reliable and high-speed connection for your network devices. Engineered for optimal performance, it supports data transfer rates of up to 1.0 Gigabit per second (Gbps) and a bandwidth of up to 350 MHz, ensuring a smooth and efficient network experience. This cable is an ideal solution for home and office networking, gaming, and streaming.



Image 1.1: Kxable Cat5e Ethernet Cable (25ft, Black) with included cable ties.

Each cable is constructed with 8 high-quality 24AWG copper-clad aluminum (CCA) solid wires, arranged in 4 unshielded twisted pairs (UTP). A PE cross insulation separates these pairs to minimize signal interference, ensuring stable and consistent performance. The cable features durable RJ45 connectors with gold-plated contacts for enhanced conductivity and corrosion resistance, along with a molded strain-relief boot for added durability and a secure connection.

2. Setup and Installation

Setting up your Kxable Cat5e Ethernet Cable is straightforward. Follow these steps for a proper connection:

1. **Identify Ports:** Locate the Ethernet (RJ45) ports on your network devices, such as your router, modem, computer, gaming console (e.g., PS5), smart TV, or network switch. These ports are typically rectangular and slightly larger than a phone jack.
2. **Connect First End:** Insert one end of the Cat5e Ethernet cable into an available Ethernet port on your primary network device (e.g., router or modem). Ensure the RJ45 connector clicks securely into place. The snagless cable boot design helps prevent snags during installation.

3. **Connect Second End:** Insert the other end of the Cat5e Ethernet cable into the Ethernet port of the device you wish to connect to the network (e.g., PC, laptop, printer, PoE camera). Again, ensure a secure click.
4. **Verify Connection:** Most devices will indicate a successful connection with an illuminated LED light next to the Ethernet port. Check your device's network settings to confirm connectivity.
5. **Cable Management:** Use the included 15 cable ties to neatly organize your cables, preventing tangles and improving airflow around your equipment.



Image 2.1: Key features of the RJ45 connector, including snagless boot and gold-plated contacts.



Image 2.2: The cable is universally compatible with a wide range of devices.

3. Operating Instructions

Once connected, the Kxable Cat5e Ethernet Cable operates automatically, providing a stable and high-speed wired network connection. No additional software or drivers are required.

- **High-Speed Data Transfer:** Enjoy lag-free data transfer speeds of up to 1.0 Gbps, suitable for demanding applications like online gaming, 4K video streaming, and large file transfers.
- **Optimal Bandwidth:** The cable supports a bandwidth of up to 350 MHz, ensuring efficient data flow and reduced network congestion.
- **Universal Compatibility:** This cable is compatible with a broad range of devices including computers, PCs, servers, printers, routers, switch boxes, VoIP phones, PlayStation 5 (PS5), and Power over Ethernet (PoE) camera systems. It integrates seamlessly into standard home, office, and gaming network environments.

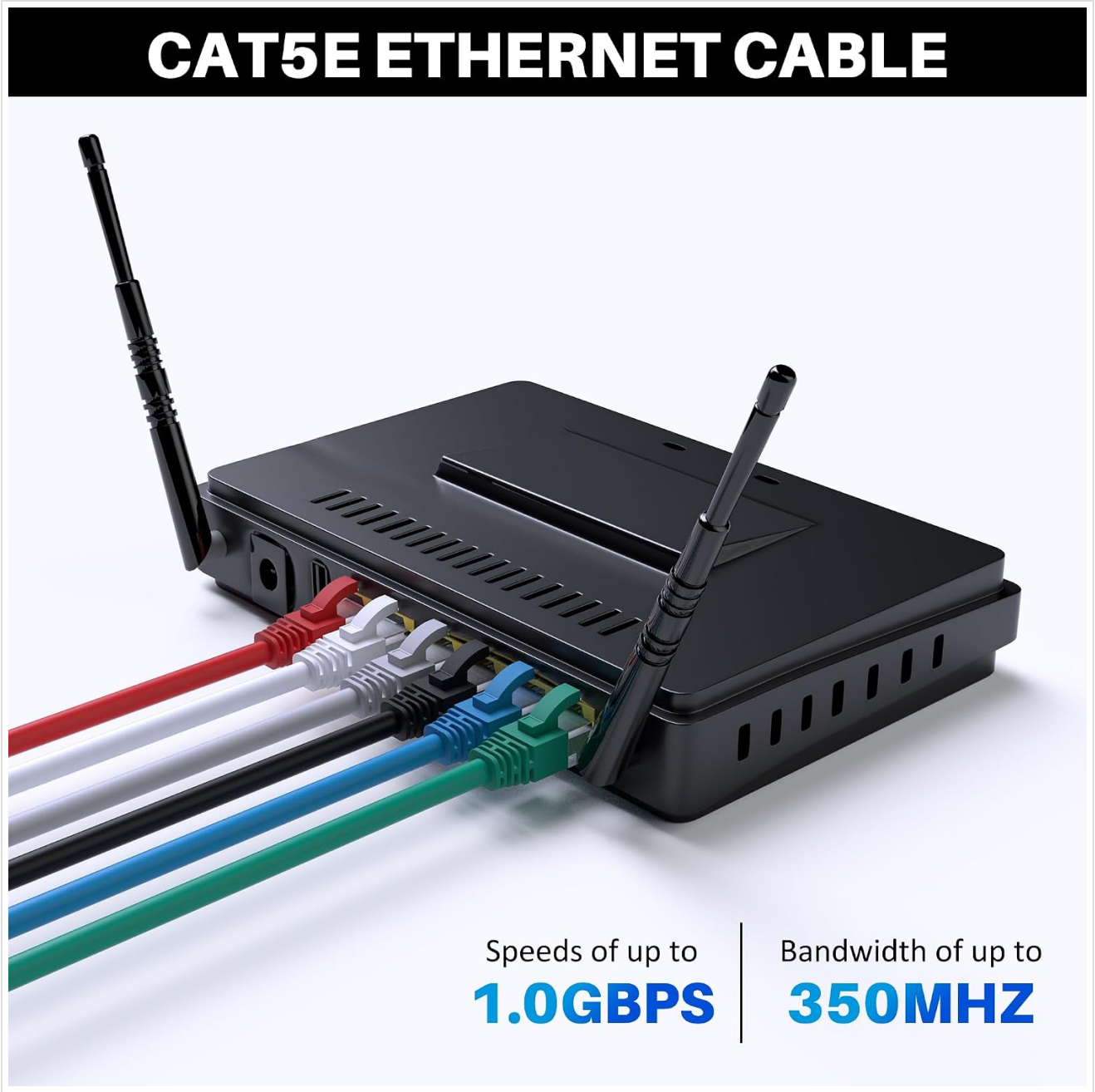


Image 3.1: The Cat5e Ethernet cable delivers high-speed data and bandwidth.

4. Maintenance

To ensure the longevity and optimal performance of your Kxable Cat5e Ethernet Cable, follow these simple maintenance guidelines:

- **Avoid Sharp Bends:** Do not bend the cable at sharp angles, as this can damage the internal conductors and affect performance. Maintain gentle curves when routing the cable.
- **Protect Connectors:** Avoid pulling the cable by the wire itself; always grasp the RJ45 connector when plugging or unplugging. This prevents strain on the connection points.
- **Keep Clean:** Periodically wipe the cable and connectors with a soft, dry cloth to remove dust and debris. Ensure connectors are free of obstructions.
- **Proper Storage:** When not in use, coil the cable loosely and secure it with the provided cable ties. Store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Durability:** The cable is designed for ultra-durability, featuring a robust PVC jacket and HDPE insulation to protect the internal wires.

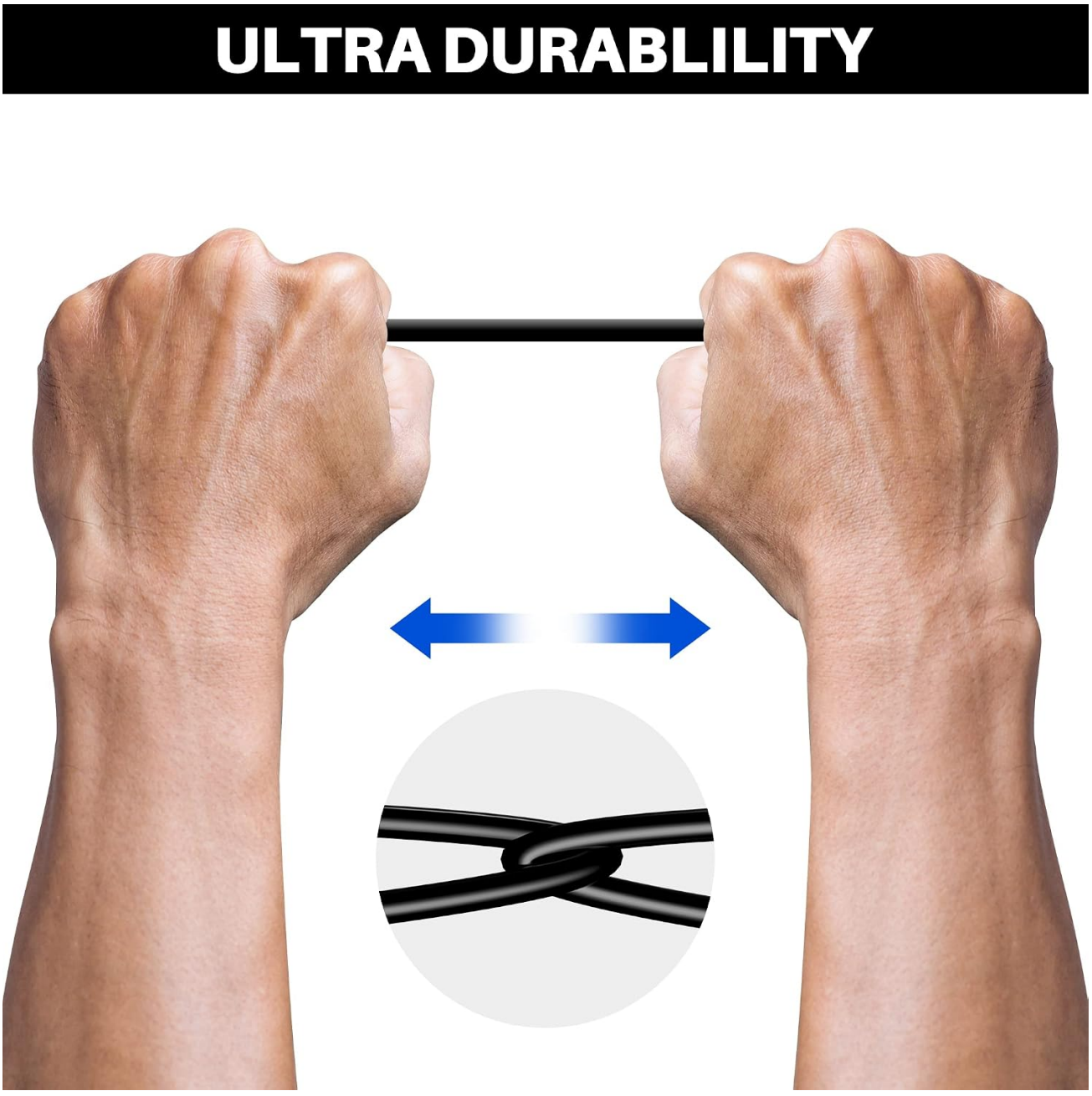


Image 4.1: The cable is designed for flexibility and durability.

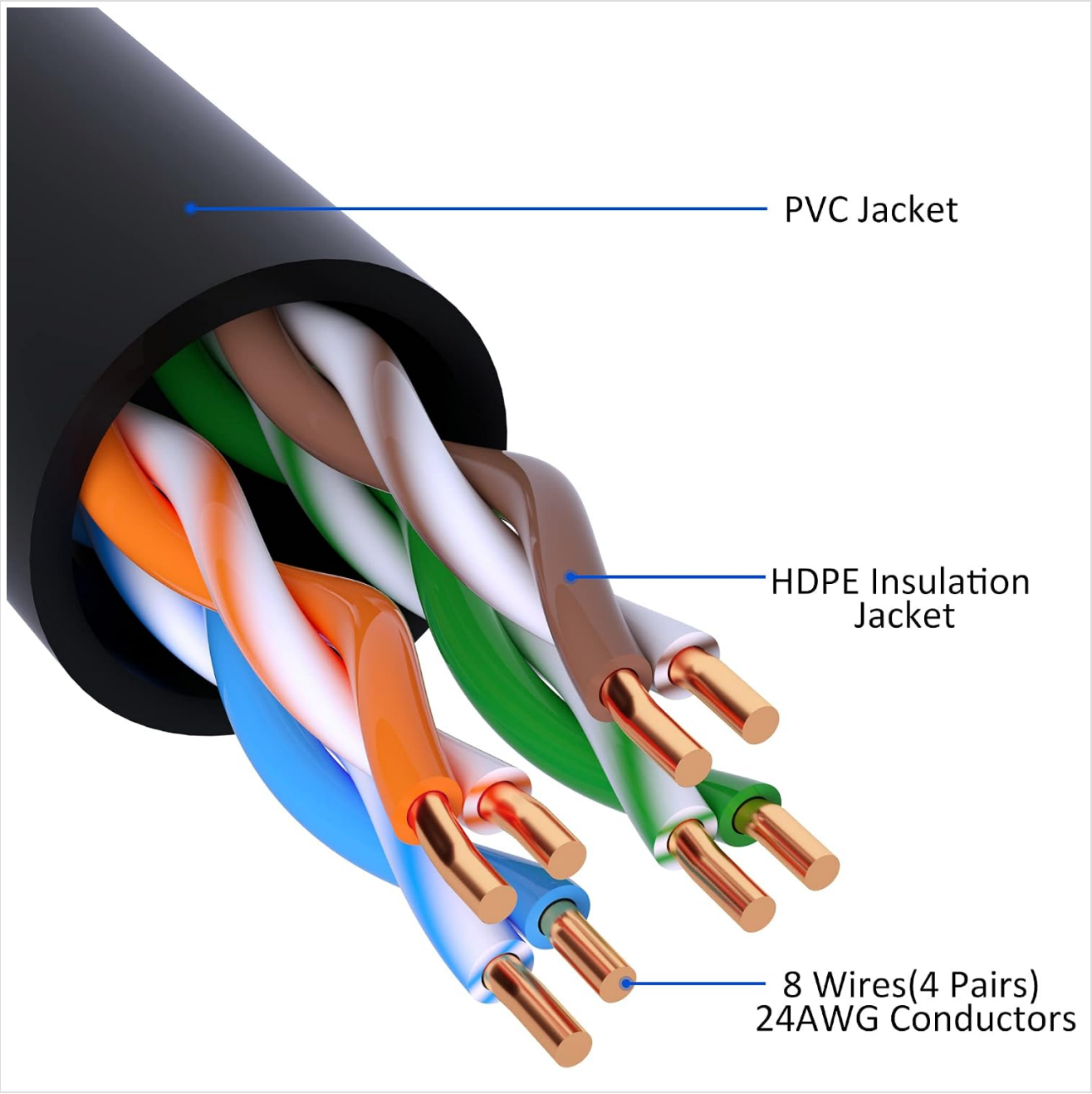


Image 4.2: Internal structure of the Cat5e cable, highlighting its robust construction.

5. Troubleshooting

If you encounter issues with your network connection, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
No Network Connection	Loose cable connection, incorrect port, faulty device port.	Ensure both ends of the cable are securely plugged into the correct RJ45 ports. Try a different port on your router/device. Test the cable with another device if possible.
Slow Network Speed	Cable damage, network congestion, device limitations.	Inspect the cable for visible damage (kinks, cuts). Ensure your devices and network equipment support Cat5e speeds. Restart your router and modem.

Problem	Possible Cause	Solution
Intermittent Connection	Loose connection, interference, cable damage.	Check all connections for tightness. Ensure the cable is not running parallel to power lines or other sources of electromagnetic interference. Replace the cable if damage is suspected.

6. Product Specifications

Feature	Detail
Brand	Kxable
Model Number	KXCAT5E-25F-1P-BK
Cable Type	Cat5e Ethernet Patch Cable
Data Transfer Speed	Up to 1.0 Gbps
Bandwidth	Up to 350 MHz
Conductor Material	24AWG Copper-Clad Aluminum (CCA)
Connector Type	RJ45 (8P8C) with Gold-Plated Contacts
Cable Construction	4 Unshielded Twisted Pairs (UTP) with PE Cross Insulation
Special Features	Snagless Boot, Molded Strain-Relief, High Speed Data Transfer
Compatible Devices	Computers, Laptops, Servers, Routers, Modems, TVs, PS5, Printers, Switch Boxes, VoIP Phones, PoE Camera Systems
Package Dimensions	6.77 x 6.73 x 1.18 inches
Item Weight	6.38 ounces

7. Warranty and Support

Kxable stands behind the quality of its products. Your Cat5e Ethernet Cable comes with a **one-year warranty** from the date of purchase.

If you have any questions, concerns, or require assistance with your Kxable Cat5e Ethernet Cable, please do not hesitate to contact our professional customer service team. We are committed to providing prompt support and will reply to your inquiries within 24 hours.

For support, please refer to the contact information provided with your purchase or visit the official Kxable store page on Amazon: Kxable Store

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question