**UGREEN 50200**

# UGREEN Cat 8 Ethernet Extender Cable (Model 50200) - User Manual

## INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your UGREEN Cat 8 Ethernet Extender Cable. Designed for high-speed network connections, this cable extends the reach of your existing Ethernet cables while maintaining optimal performance. Please read this manual thoroughly before use to ensure safe and efficient operation.

## PRODUCT OVERVIEW

The UGREEN Cat 8 Ethernet Extender Cable is engineered to support data transfer speeds of up to 40 Gigabits per second (Gbps) and a bandwidth of 2000 MHz. It features a male RJ45 connector on one end and a female RJ45 jack on the other, allowing for seamless extension of network connections. The cable incorporates S/FTP double shielding to minimize interference and crosstalk, ensuring a stable and reliable connection.
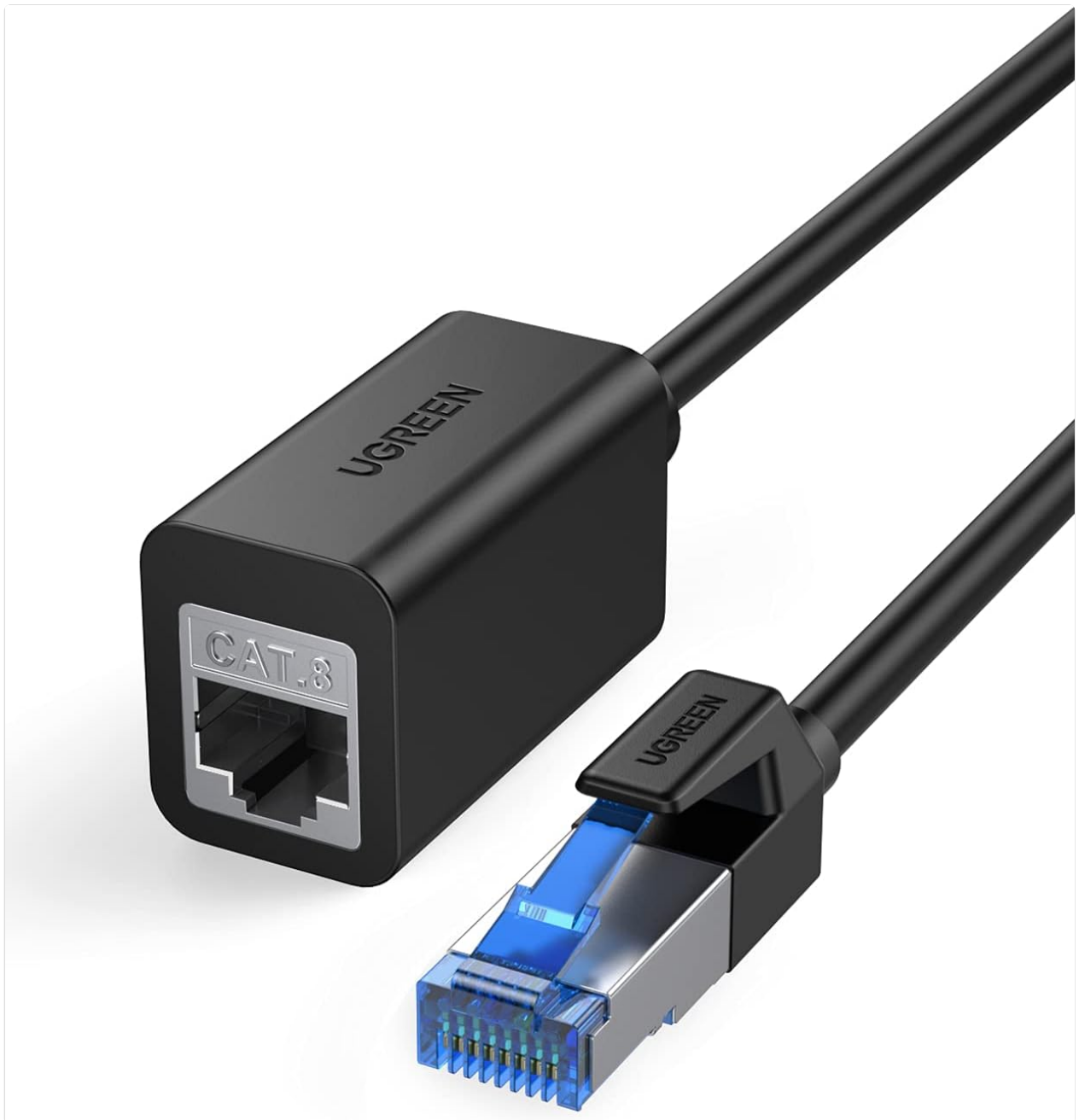
Figure 1: UGREEN Cat 8 Ethernet Extender Cable, showing the male RJ45 connector and the female RJ45 jack.
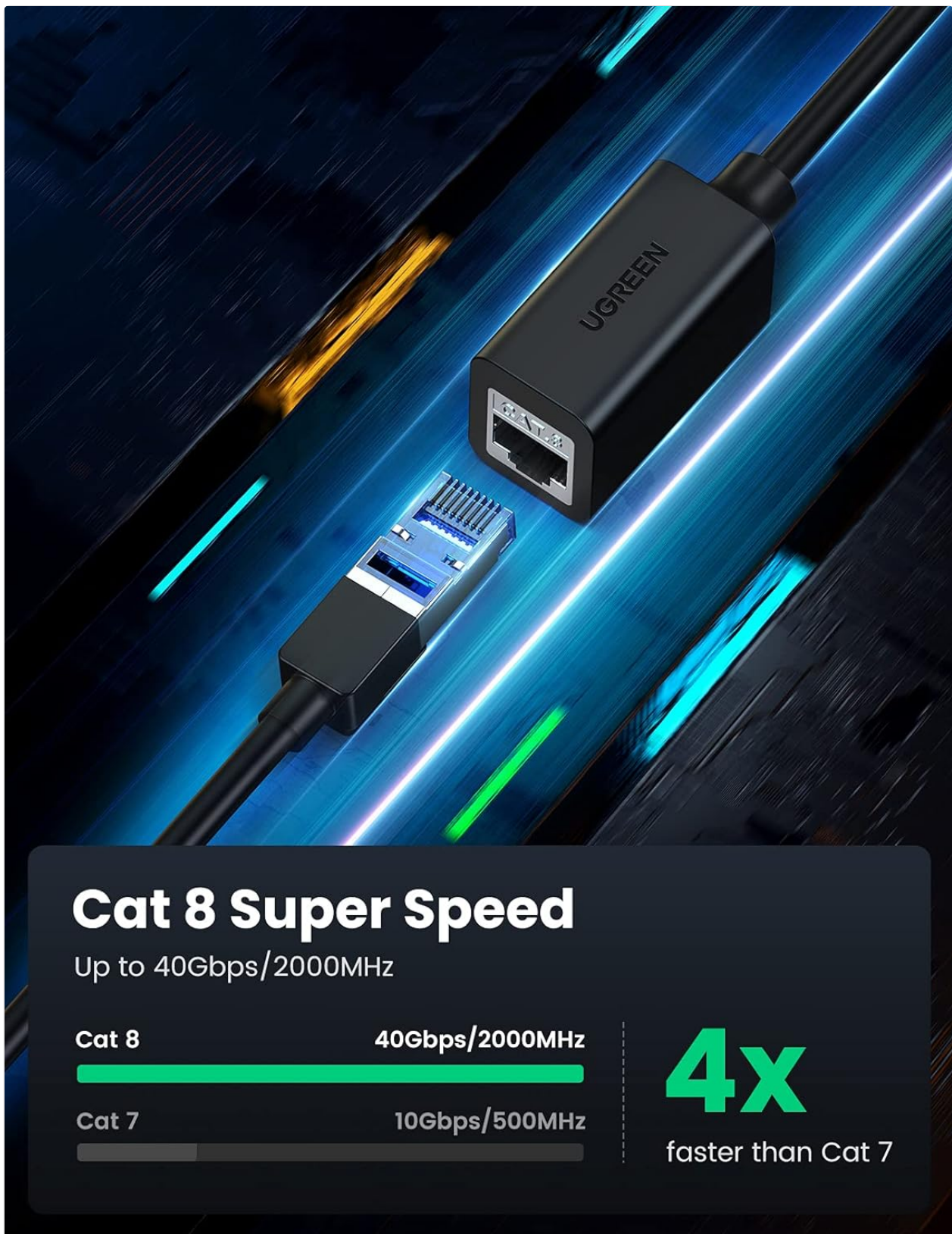
Figure 2: Diagram illustrating Cat 8 Super Speed with 40Gbps/2000MHz, comparing it to Cat 7 (10Gbps/500MHz) and highlighting it as 4x faster.

Figure 3: Image showing various compatible devices for the UGREEN Cat 8 Ethernet Extender Cable, including laptops, PCs, Smart TVs, gaming consoles (Switch, PS5/PS4/PS3, Xbox Series/One), modems, routers, and set-top boxes.

Your browser does not support the video tag.

Video 1: Official UGREEN video demonstrating the features and benefits of the Cat 8 Ethernet Extender Cable, including its high speed, compatibility, and durable design.

## SETUP INSTRUCTIONS

1. **Identify Connection Points:** Locate the Ethernet port on your device (e.g., computer, router, modem) and

the existing Ethernet cable you wish to extend.

2. **Connect Existing Cable:** Plug the male RJ45 connector of your existing Ethernet cable into the female RJ45 jack of the UGREEN Cat 8 Extender Cable. Ensure a secure connection.

3. **Connect Extender to Device:** Plug the male RJ45 connector of the UGREEN Cat 8 Extender Cable into the Ethernet port of your target device (e.g., laptop, PC, gaming console).

4. **Verify Connection:** Check the network indicator lights on your device or router to confirm a successful connection. Most devices will show a solid or blinking light when a network connection is established.



Figure 4: UGREEN Cat 8 Ethernet Extender Cable connected to a laptop, demonstrating its use for extending network reach.

## OPERATING INSTRUCTIONS

The UGREEN Cat 8 Ethernet Extender Cable operates as a passive extension for your network connection. Once properly connected, it requires no additional configuration or power. It simply extends the physical reach of your existing Ethernet cable, allowing your devices to communicate over longer distances without signal degradation, up to its specified length and performance capabilities.

- Ensure all connections are firm to prevent intermittent signal loss.
- Avoid excessive bending or kinking of the cable to maintain its internal structure and performance.
- The cable is designed for both indoor and outdoor use, offering flexibility in placement.

## MAINTENANCE

To ensure the longevity and optimal performance of your UGREEN Cat 8 Ethernet Extender Cable, follow these maintenance guidelines:

- **Regular Inspection:** Periodically inspect the cable and connectors for any signs of wear, damage, or corrosion.
- **Cleaning:** If necessary, gently wipe the cable and connectors with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Proper Storage:** When not in use, store the cable in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid tightly coiling the cable to prevent internal damage.
- **Protection:** While durable, avoid placing heavy objects on the cable or exposing it to sharp edges that could cut or fray the jacket.

# High-Quality Durable Design



**10000+**

**Bending Test**

**6mm**

**Thickness PVC**

Figure 5: Image highlighting the high-quality durable design of the UGREEN Cat 8 Ethernet Extender Cable, showing it withstands 10000+ bending tests and features a 6mm thick PVC jacket.

## TROUBLESHOOTING

If you encounter issues with your UGREEN Cat 8 Ethernet Extender Cable, consider the following troubleshooting steps:

- **No Network Connection:**
  - Ensure both ends of the extender cable are securely plugged into the existing Ethernet cable and the

device.

- Verify that the original Ethernet cable is functioning correctly by testing it without the extender.
- Check the network settings on your device and router to ensure they are configured properly.

- **Slow Network Speed:**

  - Confirm that all connected devices (router, modem, network card) support Cat 8 speeds (40Gbps, 2000MHz). If any component is lower rated, the network speed will be limited by the slowest component.
  - Minimize sources of electromagnetic interference (EMI) by keeping the cable away from power lines, fluorescent lights, and other electronic devices. The double shielding helps, but extreme interference can still affect performance.
  - Test the network speed with and without the extender to isolate the issue.
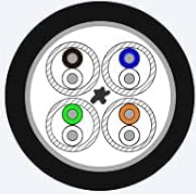
- **Intermittent Connection:**

  - Ensure the cable is not kinked, pinched, or damaged.
  - Check for loose connections at both the male and female ends of the extender.
  - If using outdoors, ensure the connections are protected from moisture and extreme weather conditions.

## SPECIFICATIONS

| Feature | Specification |
| --- | --- |
| Brand | UGREEN |
| Model Number | 50200 |
| Cable Type | Cat 8 Ethernet Extender Cable |
| Connector Type | RJ45 Male to RJ45 Female |
| Data Transfer Rate | Up to 40 Gigabits Per Second (Gbps) |
| Bandwidth | 2000 MHz |
| Shielding | S/FTP Double Shielding |
| Conductor Material | 26AWG Copper Core |
| Outer Material | Polyvinyl Chloride (PVC) |
| Color | Black |
| Compatible Devices | Computer, Laptop, Modem, Router, PS5, PS4, PS3, X-Box 360, One, Network Switches, ADSL, Adapters, Hubs, Equipment with RJ45 connector, Smart TV, Sky Q box, Raspberry Pi 4 |
| Indoor/Outdoor Usage | Indoor, Outdoor |

# S/FTP Double Shielding



Figure 6: Cross-section diagram of the S/FTP Double Shielding of the Cat 8 cable, detailing 26AWG Copper Core, Twisted Pair Wires, Aluminum Foil, Metal Mesh, and PVC Jacket.

## WARRANTY AND SUPPORT

UGREEN products are designed for reliability and performance. For specific warranty information, please refer to the product packaging or the official UGREEN website. If you encounter any issues or have questions regarding your Cat 8 Ethernet Extender Cable, please contact UGREEN customer support through their official channels or visit the UGREEN Store on Amazon for additional resources.