UGREEN 55157

UGREEN Cat 6A Ethernet Cable (Model 55157) User Manual

Model: 55157 | Brand: UGREEN

1. Introduction and Overview

This manual provides instructions for the UGREEN Cat 6A Ethernet Cable, designed for high-speed network connections. This cable supports data transfer rates of up to 10 Gigabits per second (10Gbps) and a bandwidth of 500 MHz, making it suitable for demanding network environments such as gaming, 4K/8K video streaming, and large file transfers.

The UGREEN Cat 6A Ethernet Cable features an Unshielded Twisted Pair (UTP) design with gold-plated RJ45 connectors to ensure reliable and stable network performance, minimizing interference and latency.



Figure 1: UGREEN Cat 6A Ethernet Cable. This image displays the cable with its RJ45 connectors, highlighting the clear connector housing and the UGREEN branding on the boot.



Figure 2: Ethernet Cable Speed Comparison. This graphic illustrates the performance differences between Cat 6A (10Gbps/500MHz), Cat 6 (1Gbps/250MHz), and Cat 5 (1Gbps/100MHz) cables, showing Cat 6A as the fastest option.

2. Setup Instructions

Connecting your UGREEN Cat 6A Ethernet Cable is a straightforward process. Ensure that both your source device (e.g., router, modem, Ethernet switch) and your destination device (e.g., PC, laptop, smart TV, game console) are powered off before making connections to prevent potential damage.

1. **Identify Ports:** Locate the Ethernet (RJ45) ports on your network devices. These ports are typically rectangular and slightly larger than a phone jack.
2. **Connect First End:** Insert one end of the UGREEN Cat 6A Ethernet Cable into an available Ethernet port on your router, modem, or network switch. Ensure the connector clicks securely into place.
3. **Connect Second End:** Insert the other end of the cable into the Ethernet port on your target device, such as a computer, laptop, smart TV, or game console. Again, ensure a secure click.
4. **Power On Devices:** Once both ends are securely connected, power on your network devices and then your computer or other connected equipment.
5. **Verify Connection:** Check the network status on your device. Most devices will automatically detect the wired connection. You may see an indicator light on the Ethernet port or within your device's network settings confirming the connection.



Figure 3: Universal Compatibility. This image demonstrates the wide range of devices compatible with the UGREEN Cat 6A Ethernet cable, including routers, Ethernet switches, modems, laptops, game players, NAS devices, and smart TVs.

3. Operating Instructions

The UGREEN Cat 6A Ethernet Cable is designed to provide a stable and high-speed wired network connection for various applications. Once connected, the cable operates automatically, facilitating data transfer between your devices.

- **High-Speed Data Transfer:** Benefit from 10Gbps data transfer rates and 500MHz bandwidth for seamless online gaming, 4K/8K video streaming, and rapid file downloads/uploads.
- **Reduced Latency:** The wired connection minimizes network latency, providing a more responsive experience for online activities compared to wireless connections.
- **Anti-Interference Design:** The cable's construction, including Unshielded Twisted Pair (UTP) and gold-plated pins, helps to reduce electromagnetic interference, noise, and crosstalk, ensuring a consistent signal.
- **Wide Application:** Use the cable to connect PCs, laptops, servers, printers, routers, switches, network

media players, NAS devices, VoIP phones, and smart TVs to your local area network (LAN).



Figure 4: Usage Scenarios. This composite image shows various applications of the Ethernet cable, including professional work environments with laptops and network attached storage (NAS), and recreational gaming setups with consoles and TVs, demonstrating its versatility for both productivity and entertainment.



Figure 5: Gold-Plated Connector. A detailed view of the RJ45 connector, highlighting its 3U thick gold-plated chips for enhanced conductivity and corrosion resistance, ensuring high-speed transmission and low latency.

4. Maintenance

Proper care and maintenance will extend the lifespan and ensure optimal performance of your UGREEN Cat 6A Ethernet Cable.

- **Avoid Sharp Bends:** Do not bend the cable at sharp angles, as this can damage the internal conductors and insulation, leading to signal degradation.
- **Protect Connectors:** Avoid pulling the cable by the wire when disconnecting. Always grasp the RJ45 connector itself. Keep connectors free from dust and debris.
- **Storage:** When not in use, coil the cable loosely. Avoid tightly wrapping it around objects or kinking it.
- **Cleaning:** If necessary, gently wipe the cable and connectors with a dry, soft cloth. Do not use liquid cleaners directly on the connectors.
- **Durability:** The cable features a high-toughness PVC jacket and sturdy HD-PE insulation materials, designed to withstand regular use and provide flexibility. It has been tested for 750 plug and unplug cycles.



Figure 6: High Toughness PVC Jacket. This image illustrates the robust and flexible nature of the cable's PVC jacket, designed for durability and resistance to wear and tear.

5. Troubleshooting

If you encounter issues with your network connection while using the UGREEN Cat 6A Ethernet Cable, consider the following troubleshooting steps:

- **No Network Connection:**
  - Ensure both ends of the Ethernet cable are securely plugged into their respective ports. Listen for a click when inserting the RJ45 connectors.
  - Check the indicator lights on your router/switch and your connected device's Ethernet port. If no lights are active, try another port or another cable.
  - Restart your router/modem and your connected device.
- **Slow Network Speed:**
  - Verify that both your network equipment (router, switch) and your connected device support 10Gbps speeds. If any component is slower, the connection will default to the lowest speed.
  - Ensure the cable is not damaged, kinked, or run near strong electromagnetic interference sources.
  - Test with a different Cat 6A cable if available to rule out a cable issue.
  - Update network drivers on your computer or device.
- **Intermittent Connection:**
  - Check for loose connections at both ends of the cable.
  - Inspect the RJ45 connectors for any bent or broken pins.
  - Ensure the cable is not being stepped on or pinched by furniture.

If these steps do not resolve the issue, consult the support resources for your network devices or contact UGREEN customer support.

6. Specifications

The following table details the technical specifications for the UGREEN Cat 6A Ethernet Cable (Model 55157):

Feature	Detail
Brand	UGREEN
Item Model Number	55157
Cable Type	Ethernet (Cat 6A)
Data Transfer Rate	10 Gigabits Per Second (10Gbps)
Frequency (Bandwidth)	500 MHz
Connector Type	RJ45
Shielding	Unshielded Twisted Pair (UTP)
Conductor Gauge	26 AWG
Jacket Material	High-toughness PVC
Insulation Material	HD-PE
Compatible Devices	Laptop, Router, PC, Ethernet Switch, Smart TV, Game Console, NAS, VoIP Phones
Durability Test	750 plug and unplug cycles
Certification	Fluke Networks Test Certification

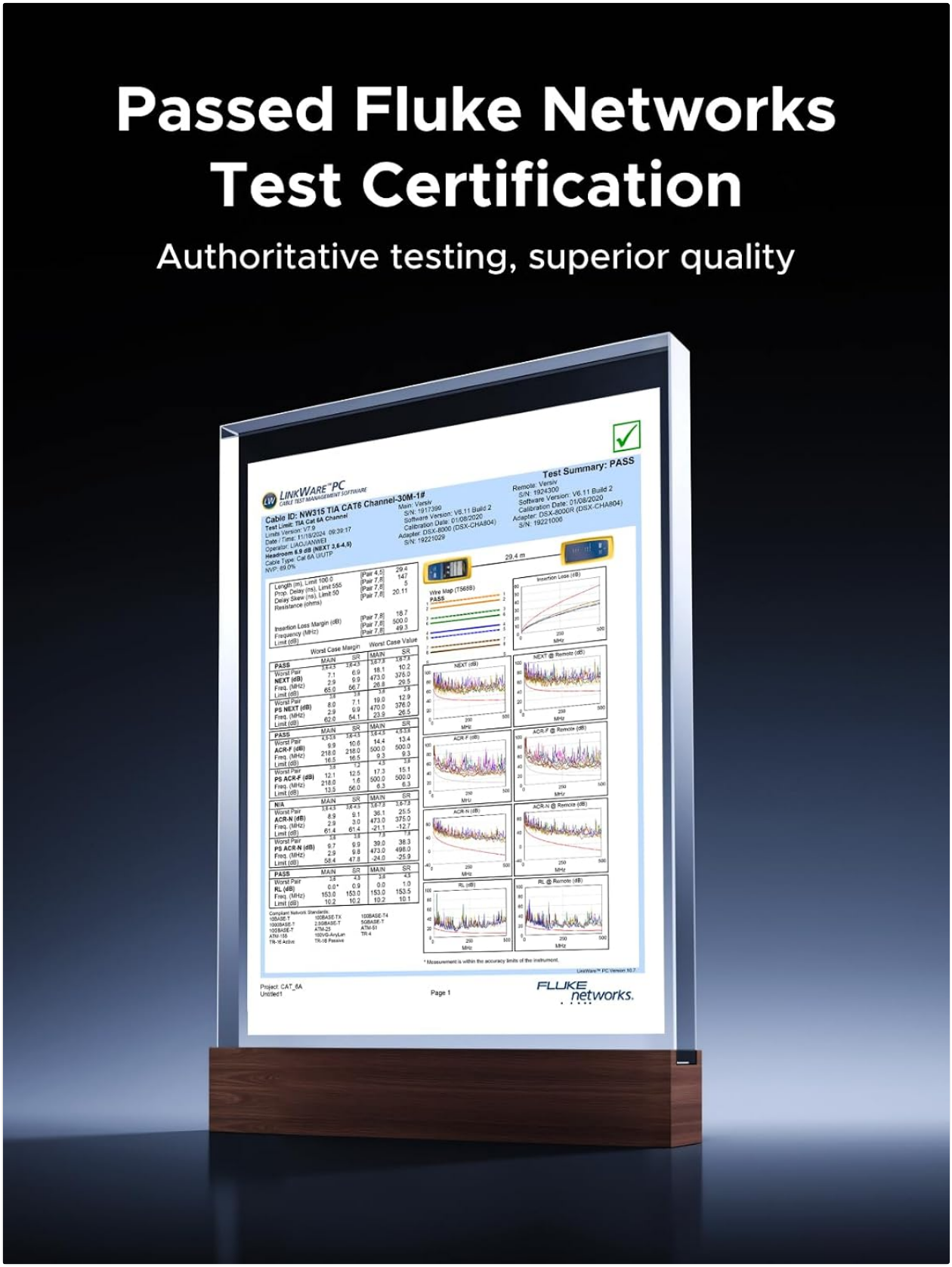


Figure 7: Fluke Networks Test Certification. This image shows a document indicating the UGREEN Cat 6A Ethernet cable has passed Fluke Networks testing, signifying authoritative testing and quality assurance.

7. Warranty and Support

For information regarding warranty coverage and customer support for your UGREEN Cat 6A Ethernet Cable, please refer to the warranty card included with your product or visit the official UGREEN website. You may also contact UGREEN customer service directly for assistance with product inquiries, technical support, or warranty claims.

UGREEN Official Website: www.ugreen.com