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Cable Matters 107025-BLK-2m

Cable Matters 40Gbps Active Thunderbolt 4 Cable User Manual

Model: 107025-BLK-2m
Brand: Cable Matters

Introduction

This manual provides detailed instructions for the Cable Matters 40Gbps Active Thunderbolt 4 Cable. Designed for high-performance connectivity, this cable supports ultra-fast data transfer, high-resolution video output, and powerful charging capabilities. Please read this manual thoroughly to ensure proper use and to maximize the benefits of your new cable.



Figure 1: The Cable Matters 40Gbps Active Thunderbolt 4 Cable, showcasing its robust design and USB-C connectors.

Key Features

- **40Gbps Data Transfer:** Experience blazing-fast data transfers, ideal for large files, external SSDs, and high-bandwidth applications.
- **240W Power Delivery (PD 3.1):** Supports rapid charging for compatible laptops, tablets, and smartphones, consolidating power and data into a single cable.
- **8K Video Output:** Capable of driving a single 8K display or dual 4K displays, providing stunning visual clarity for professional and entertainment setups.
- **Active Chipset:** Incorporates an active chipset to ensure reliable signal integrity and performance over longer cable lengths.
- **Broad Compatibility:** Fully compatible with Thunderbolt 4, USB4, USB-C, and backward compatible with Thunderbolt 3 devices.



Figure 2: Overview of the cable's primary features, including data speed, video resolution, and power delivery.



Figure 3: The cable supports Ultra HD 8K video at 60Hz, 4K at 240Hz, and HDR for high-resolution display connections.



Figure 4: Illustration of the cable's 240W power delivery capability, enabling fast charging for compatible devices.

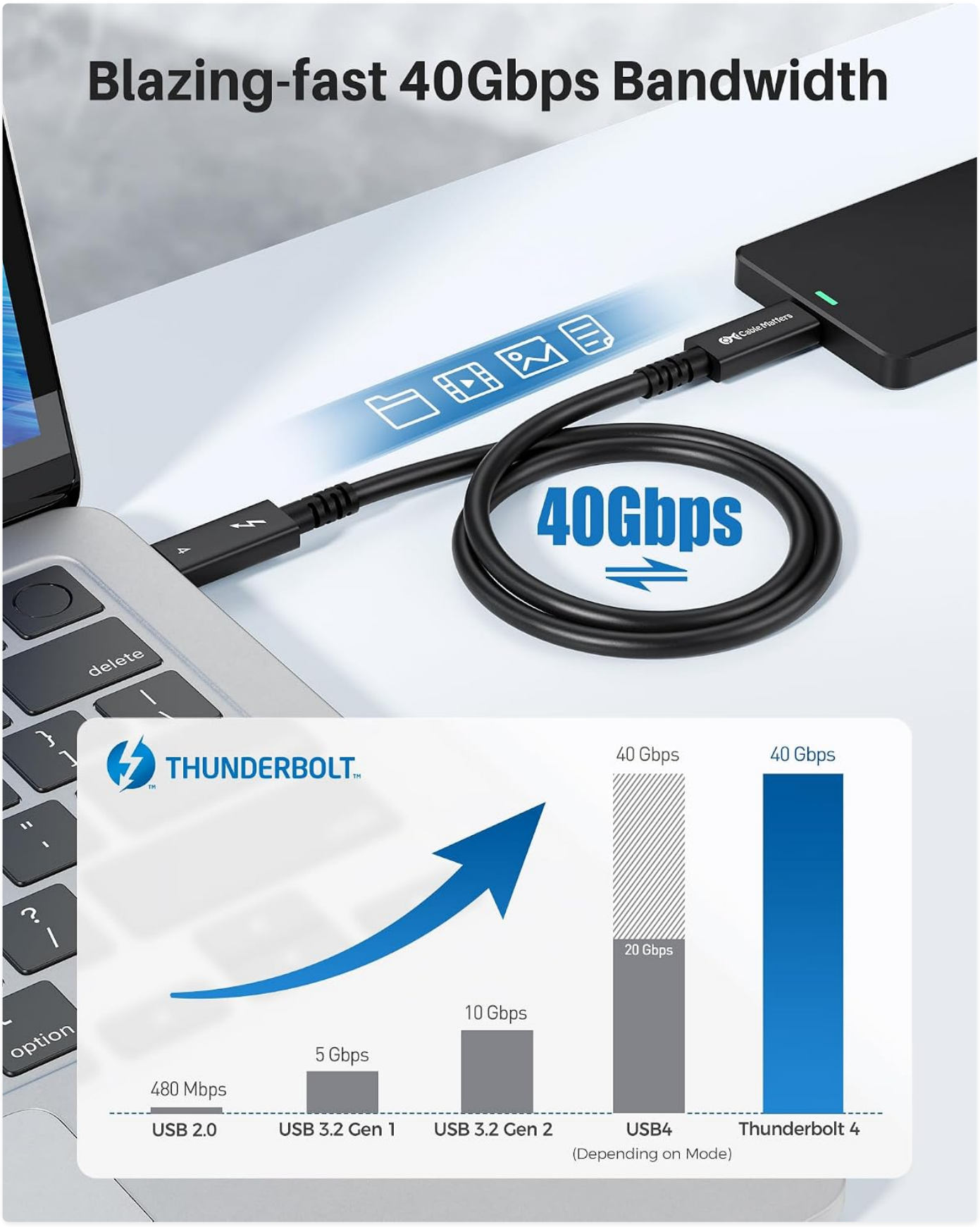


Figure 5: The cable provides blazing-fast 40Gbps bandwidth for high-speed data transfer between devices.



Figure 6: The integrated active chipset ensures reliable signal transfer and performance over longer cable lengths, preventing signal degradation.

Setup and Connection

The Cable Matters Thunderbolt 4 cable is designed for plug-and-play functionality. Follow these steps to connect your devices:

1. **Identify Ports:** Ensure your devices (laptop, monitor, docking station, external SSD) have compatible Thunderbolt 4, USB4, USB-C, or Thunderbolt 3 ports. The cable features identical USB-C connectors on both ends.
2. **Connect First Device:** Insert one end of the Thunderbolt 4 cable into the appropriate port on your primary device (e.g., laptop).
3. **Connect Second Device:** Insert the other end of the cable into the corresponding port on your secondary device (e.g., external monitor, docking station, or external storage).
4. **Verify Connection:** Your devices should automatically detect the connection and establish communication. For displays, ensure the correct input source is selected on your monitor. For data transfer, verify the external device appears in your operating system.

No additional drivers or software are typically required for basic functionality. For advanced features or specific device compatibility, refer to your device's manufacturer documentation.

Operating Instructions

Once connected, the Thunderbolt 4 cable facilitates various operations:

- **Data Transfer:** Drag and drop files between your connected devices. The 40Gbps bandwidth ensures rapid transfer speeds for large datasets.
- **Video Output:** Extend or mirror your display to a compatible monitor. Adjust display settings (resolution, refresh rate) through your operating system's display preferences.
- **Power Delivery:** If connected to a power source (e.g., a laptop's power adapter or a powered docking station), the cable will deliver up to 240W of power to charge your connected device.
- **Docking Station Connectivity:** Use the cable to connect your laptop to a Thunderbolt or USB-C docking station, enabling access to multiple peripherals, displays, and network connections through a single cable.

Maintenance and Care

To ensure the longevity and optimal performance of your Cable Matters Thunderbolt 4 cable, follow these maintenance guidelines:

- **Handle with Care:** Avoid excessive bending, twisting, or pulling on the cable, especially near the connectors.
- **Proper Disconnection:** Always grasp the connector housing when plugging or unplugging the cable. Do not pull directly on the cable itself.
- **Storage:** When not in use, coil the cable loosely. Avoid tight coiling or kinking, which can damage internal wires. Store in a clean, dry place away from extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the cable and connectors. Do not use liquid cleaners or abrasive materials.
- **Inspect Regularly:** Periodically check the cable and connectors for any signs of wear, fraying, or damage. Discontinue use if damage is observed.

Troubleshooting

If you encounter issues with your Thunderbolt 4 cable, try the following troubleshooting steps:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No display output.	Incorrect input source on monitor, incompatible device, cable not fully seated.	Verify monitor input source. Ensure both devices support video output over USB-C/Thunderbolt. Reconnect the cable firmly at both ends. Test with another cable or device if possible.
Slow data transfer speeds.	Device limitations, older USB standard, background processes.	Ensure both connected devices support Thunderbolt 4 or USB4 for maximum speed. Close unnecessary applications. Check device drivers are up to date.
Device not charging or charging slowly.	Power source limitation, device power requirements, cable not fully seated.	Verify your power adapter/source provides sufficient wattage (up to 240W supported by cable). Ensure your device supports USB Power Delivery. Reconnect the cable firmly.
Intermittent connection.	Loose connection, damaged cable, port issue.	Ensure the cable is securely connected at both ends. Inspect the cable for visible damage. Try a different port on your device.

If problems persist after attempting these solutions, please contact Cable Matters customer support.

Specifications

Attribute	Value
Model Number	107025-BLK-2m
Connector Type	Thunderbolt 4 (USB-C)
Data Transfer Rate	Up to 40Gbps
Power Delivery	Up to 240W (PD 3.1)
Video Support	Single 8K display or Dual 4K displays
Cable Length	6.6 ft (2 meters)
Special Feature	Active Chipset for signal integrity
Compatibility	Thunderbolt 4, USB4, USB-C, Thunderbolt 3 (backward compatible)
Manufacturer	Cable Matters

Warranty and Support

Cable Matters products are designed for reliability and performance. For information regarding warranty coverage and technical support, please visit the official Cable Matters website or contact their customer service directly.

Website: www.cablematters.com

For the most up-to-date support resources, FAQs, and contact information, please refer to the support section on their website.

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