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› Cable Matters 40Gbps Thunderbolt 4 Cable (0.3m) Instruction Manual

Cable Matters 107032-0.3m

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INTRODUCTION

The Cable Matters Thunderbolt 4 Cable is an Intel Certified solution designed for high-performance connectivity. This versatile cable combines the latest Thunderbolt 4 and USB4 standards, providing a single solution for data, video, and power delivery across various devices.

It supports reliable 40Gbps data transfer, enabling rapid movement of large files. With USB Power Delivery (PD) 3.1 support, it delivers up to 240W of charging power, efficiently powering and charging compatible devices. The cable also supports high-bandwidth video, capable of driving one 8K display or two 4K displays, ensuring clear visuals for monitors and TVs.

This cable offers full backward compatibility with Thunderbolt 3 standards, devices, and hosts, allowing seamless integration into existing setups. It functions as a USB4 cable, supporting 40Gbps data transfer, DisplayPort Alt Mode (DP Alt Mode), and USB-C Power Delivery, making it compatible with USB4, USB-C 3.2, 3.1, and 2.0 devices.



Figure 1: Cable Matters 40Gbps Thunderbolt 4 Cable.

SETUP

Connecting your Cable Matters Thunderbolt 4 cable is straightforward. Ensure your devices have compatible Thunderbolt 4, USB4, Thunderbolt 3, or USB-C ports.

1. **Identify Ports:** Locate the Thunderbolt 4 or USB-C ports on your host device (e.g., laptop, desktop) and the peripheral device (e.g., monitor, external SSD, docking station).
2. **Connect Cable:** Insert one end of the Thunderbolt 4 cable into the appropriate port on your host device.
3. **Connect Peripheral:** Insert the other end of the Thunderbolt 4 cable into the corresponding port on your peripheral device.
4. **Verify Connection:** Once connected, your devices should automatically detect each other. For displays, you may need to adjust display settings in your operating system.



Figure 2: Thunderbolt 4 cable connectors with specifications.



Figure 3: Connecting the Thunderbolt 4 cable to a laptop and external device.

OPERATING

The Thunderbolt 4 cable facilitates high-speed data transfer, video output, and power delivery simultaneously.

- **Data Transfer:** Connect the cable between two compatible devices to achieve data transfer speeds of up to 40Gbps. This is ideal for transferring large files, backing up data, or working with external SSDs.
- **Video Output:** Use the cable to connect your host device to a compatible monitor or TV. It supports a single 8K display or dual 4K displays, providing high-resolution video and audio.

- **Power Delivery:** The cable supports USB PD 3.1, delivering up to 240W of power. This allows you to charge laptops, tablets, and other devices while simultaneously transferring data or video.

Your browser does not support the video tag.

Video 1: Official Cable Matters Thunderbolt 4 overview, demonstrating its capabilities for data, video, and power.

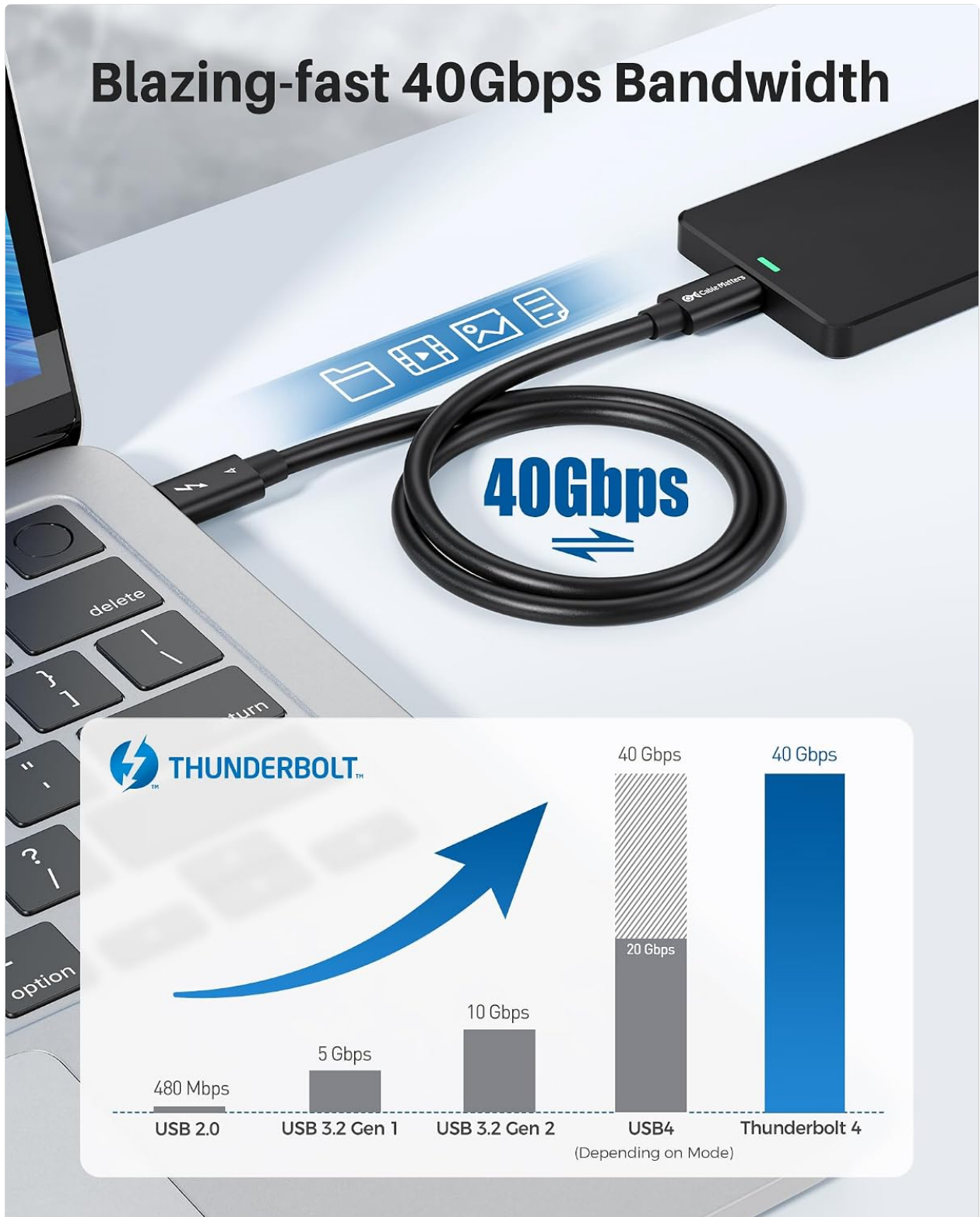


Figure 4: High-speed 40Gbps data transfer capability.

Charge in a Flash

240W

Power Delivery



Figure 5: 240W Power Delivery for fast charging.

Ultra HD 8K Video



8K@60Hz

High Resolution

4K@240Hz

High Refresh Rate

HDR

Color Depth Support

Figure 6: Support for Ultra HD 8K video output.

MAINTENANCE

Proper care and maintenance will extend the life of your Thunderbolt 4 cable.

- **Storage:** When not in use, coil the cable loosely. Avoid tight bends or kinks, especially near the connectors, as this can damage internal wires.
- **Cleaning:** Use a soft, dry cloth to gently wipe the cable and connectors. Avoid using harsh chemicals or abrasive materials.
- **Handling:** Always grasp the connector head when plugging or unplugging the cable. Do not pull on the cable itself, as this can strain the connection points.

- **Environment:** Keep the cable away from extreme temperatures, direct sunlight, and moisture.

TROUBLESHOOTING

If you encounter issues with your Thunderbolt 4 cable, consider the following:

- **No Connection/Intermittent Connection:**

- Ensure both ends of the cable are fully and securely plugged into their respective ports.
- Try connecting the cable to different ports on your devices, if available.
- Test the cable with another compatible device to determine if the issue is with the cable or the device.
- Restart your computer or device.

- **Slow Data Transfer:**

- Verify that both your host and peripheral devices support Thunderbolt 4 or USB4 speeds. Older USB standards will operate at lower speeds.
- Ensure no other high-bandwidth applications are running in the background that might be consuming resources.

- **No Video Output/Incorrect Resolution:**

- Check your display settings in your operating system to ensure the correct resolution and refresh rate are selected.
- Confirm that your monitor and graphics card support the desired resolution (e.g., 8K or 4K).
- Ensure the cable is connected directly or through a compatible docking station/hub that supports video passthrough.

- **No Charging/Slow Charging:**

- Confirm that your power adapter and device support USB Power Delivery (PD) and the required wattage.
- Some devices may require specific power profiles; check your device's manual.

SPECIFICATIONS

Feature	Specification
Brand	Cable Matters
Model	107032-0.3m
Connector Type	Thunderbolt 4 (USB-C)
Cable Type	Thunderbolt
Data Transfer Rate	40 Gigabits Per Second (40Gbps)
Power Delivery	Up to 240W (USB PD 3.1)
Video Support	Single 8K display or Dual 4K displays
Compatibility	Thunderbolt 4, USB4, Thunderbolt 3, USB-C 3.2, 3.1, 2.0
Connector Gender	Male-to-Male

Number of Pins	24
Color	Black
Length	0.3 meters (1 foot)
Certification	Intel Certified, USB-IF

WARRANTY AND SUPPORT

Cable Matters products are designed for reliability and performance. For specific warranty information, please refer to the product packaging or the official Cable Matters website. If you require technical assistance or have questions about your product, please contact Cable Matters customer support through their official channels.

For further information, visit the product detail page on Amazon or the Cable Matters official website.