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- › [ORICO](#) /
- › [ORICO 80Gbps Bidirectional USB-C Cable \(3.3 FT\) Instruction Manual](#)

ORICO 80Gbps Bidirectional USB-C Cable (3.3 FT)

ORICO 80Gbps Bidirectional USB-C Cable (3.3 FT) Instruction Manual

Model: 80Gbps Bidirectional USB-C Cable (3.3 FT)

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your ORICO 80Gbps Bidirectional USB-C Cable. This high-performance cable is designed for rapid data transfer, dual 8K video output, and fast charging across a wide range of compatible USB-C and Thunderbolt devices.

2. KEY FEATURES

- **Unmatched Speed & Efficiency:** Supports 80Gbps bidirectional data transfer and 120Gbps unidirectional video bandwidth.
- **Dual 8K Video Support:** Capable of driving dual 8K displays at 60Hz, utilizing DisplayPort 2.1 protocol.
- **Wide Compatibility:** Fully compatible with Thunderbolt 3/4/5, USB4, and USB3.2 devices, including MacBook Pro, iPad Pro (M1, M2, M4 chips), and iPhone 15.
- **240W Rapid Charging:** Delivers up to 240W power output for high-performance laptops and devices, featuring an E-Marker chip for safe power distribution.
- **3-in-1 Convenience:** Integrates data transfer, video output, and charging functionalities into a single cable.
- **Durable Construction:** Features a silver-plated copper core for low resistance and anti-oxidation technology for enhanced longevity.

3. SETUP AND CONNECTION

Connecting your ORICO USB-C cable is straightforward. Ensure your devices have compatible USB-C or Thunderbolt ports.

1. Identify the USB-C or Thunderbolt port on your source device (e.g., laptop, tablet).
2. Identify the corresponding port on your target device (e.g., monitor, docking station, external drive).

3. Gently insert one end of the ORICO USB-C cable into the source device's port.
4. Insert the other end of the cable into the target device's port. Ensure both connections are secure.
5. The cable is plug-and-play; no additional drivers are typically required for basic functionality.



Image: The ORICO 80Gbps Bidirectional USB-C Cable, coiled for storage. This cable features USB-C connectors on both ends.

4. OPERATING INSTRUCTIONS

4.1 Data Transfer

This cable supports bidirectional data transfer at up to 80Gbps, allowing for rapid file transfers between compatible devices. Connect your computer to an external SSD, docking station, or other data storage devices for high-speed data exchange.

Ultra High Speed Transfer

80Gbps

Bidirectional

120Gbps Unidirectional



40Gbps

80Gbps

Up to 120Gbps

ORICO-TBZ5

Thunderbolt 4

+50% more
dynamic bandwidth

*Data is based on tests conducted in the ORICO 211 Digital R&D and Manufacturing Laboratory and is subject to actual use.

Image: Visual representation of the cable's data transfer capabilities, highlighting 80Gbps bidirectional and 120Gbps unidirectional speeds.

4.2 Video Output

Utilize the cable for high-resolution video output. It supports dual 8K displays at 60Hz, making it suitable for professional multimedia applications. Connect your laptop or tablet to compatible 8K monitors or TVs.

Dual 8K@60Hz Displays



Image: A user operating a computer setup with two 8K monitors, demonstrating the cable's capability for dual high-resolution display output.

4.3 Power Delivery (Charging)

The cable supports up to 240W Power Delivery, enabling fast charging for compatible laptops, tablets, and other USB-C devices. The integrated E-Marker chip ensures safe and efficient power negotiation.

- For optimal charging, ensure your power adapter and device support 240W Power Delivery.
- If using a thick protective case on your device, it may be necessary to remove it during charging to ensure a secure and full connection.

240W Rapid Charging

For Optimal Charging: Remove thick cases during charging



Image: A laptop screen displaying a rapid charging indicator, illustrating the 240W power delivery capability of the ORICO USB-C cable.

4.4 Wide Compatibility Overview

The ORICO USB-C cable is designed for broad compatibility across various devices and functions:

Wide Compatibility

Charging:



Computer



Tablet



Cell Phone



Power Bank

Data:



Computer



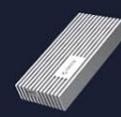
Tablet



Cell Phone



Mobile Hard Disk



Hard disk enclosure

Video:



TV



Monitor



Computer



Projector



Player



Image: A visual guide detailing the cable's compatibility for charging (computers, tablets, cell phones, power banks), data transfer (computers, tablets, cell phones, mobile hard disks, hard disk enclosures), and video output (TVs, monitors, computers, projectors, players).

5. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	ORICO
Connector Type	USB Type C (Male-to-Male)
Cable Type	USB
Data Transfer Speed	80Gbps Bidirectional, 120Gbps Unidirectional

Feature	Specification
Video Output	Dual 8K@60Hz (DisplayPort 2.1)
Power Delivery	Up to 240W
Special Feature	E-Marker Chip for intelligent power distribution
Compatible Devices	Docking Station, Laptop, Tablet, Thunderbolt 3/4/5, USB4, USB3.2 devices
Cable Length	3.3 Feet
Item Weight	1.62 ounces
Construction	Silver-plated copper core, multi-layer shielding



Image: An illustration of the cable's internal structure, highlighting the silver-plated copper core and multi-layer shielding for stable and efficient transmission.

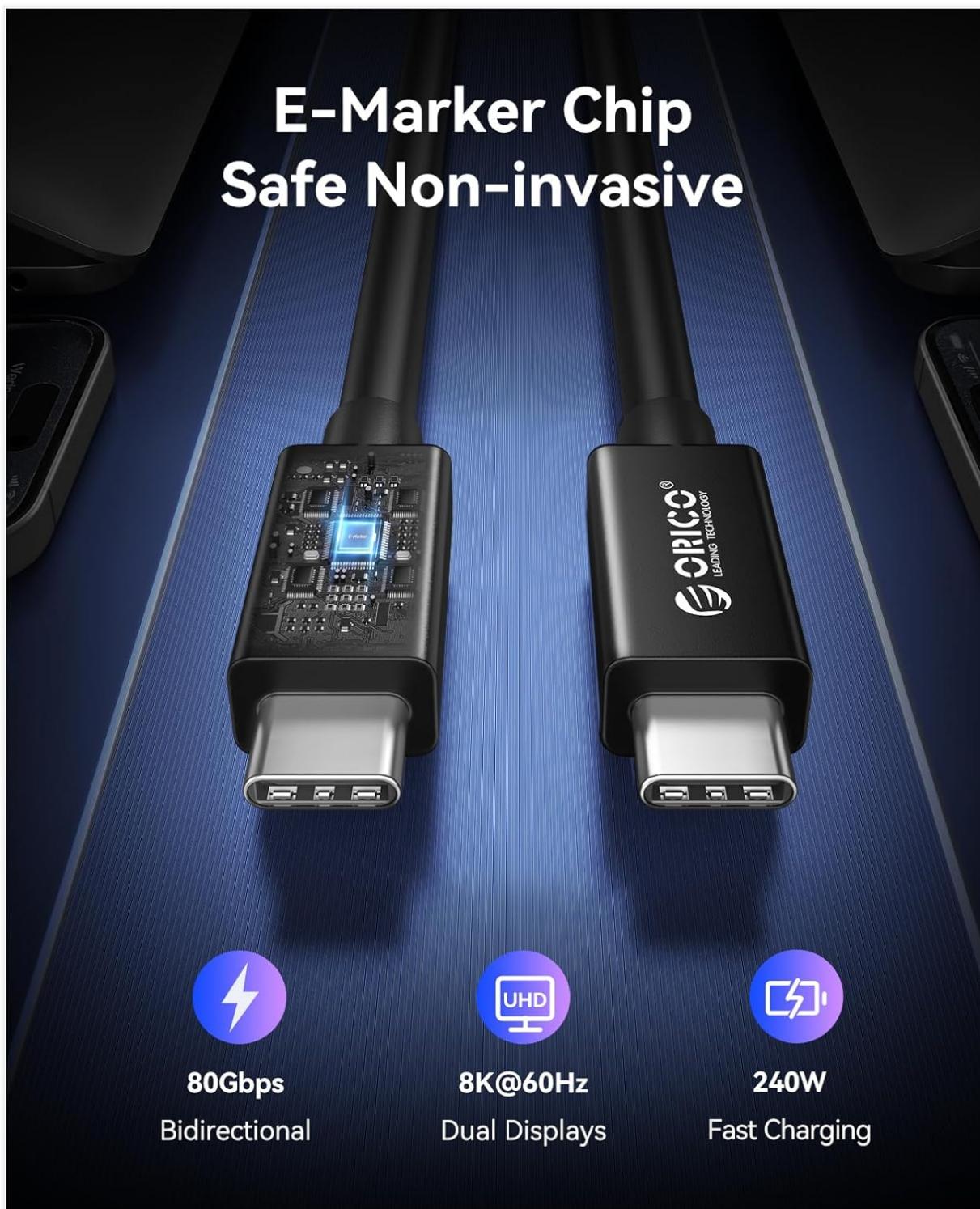


Image: Close-up of the ORICO USB-C cable connectors, illustrating the integrated E-Marker chip for safe and non-invasive power management.

6. CARE AND MAINTENANCE

Proper care ensures the longevity and optimal performance of your cable.

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tight coiling or sharp bends that can damage internal wires.
- **Cleaning:** Use a soft, dry cloth to clean the cable and connectors. Do not use liquid cleaners or abrasive materials.
- **Handling:** Always grasp the connector head when plugging or unplugging the cable, not the cable

itself, to prevent strain on the connection points.

- **Avoid Stress:** Do not pull, twist, or stretch the cable excessively. Avoid placing heavy objects on the cable.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common solutions:

Problem	Possible Solution
No data transfer or slow speeds	<ul style="list-style-type: none">• Ensure both devices are fully compatible with USB4 or Thunderbolt standards.• Verify the cable is securely connected to both ports.• Test with another compatible cable to rule out device port issues.• Update device drivers for USB/Thunderbolt ports.
No video output or flickering display	<ul style="list-style-type: none">• Confirm your display and source device support 8K@60Hz or the desired resolution.• Check display settings on your computer to ensure the external monitor is detected and configured correctly.• Ensure the cable is firmly connected.• Try connecting directly if using a docking station or hub.
Device not charging or slow charging	<ul style="list-style-type: none">• Verify your power adapter supports the required wattage (up to 240W).• Ensure your device's USB-C port supports Power Delivery.• Check for debris in the USB-C ports.• Remove any thick cases that might prevent full connector insertion.
Cable feels loose or disconnects easily	<ul style="list-style-type: none">• Ensure the cable is fully inserted into the ports.• Inspect the cable connectors and device ports for any physical damage.• Avoid putting strain on the cable while connected.

8. WARRANTY AND SUPPORT

ORICO products typically come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the product packaging or the official ORICO website. If you require technical assistance or have questions not covered in this manual, please contact ORICO customer support through their official channels.

ORICO Official Website: www.orico.com.cn

Customer Service Email: Refer to the product packaging or official website for the most current contact information.

