

Unitek C14091ABK

Unitek USB-C to USB-C Cable (Model C14091ABK) User Manual

1. INTRODUCTION

This manual provides instructions for the Unitek USB-C to USB-C Cable, Model C14091ABK. This cable is designed for high-speed data transfer, 4K video output, and efficient power delivery between compatible USB-C devices. Please read this manual carefully before using the product.



Figure 1: Unitek USB-C to USB-C Cable (Model C14091ABK). This image shows the cable with its two USB-C connectors, highlighting its sleek design and robust construction.

2. PRODUCT FEATURES

The Unitek USB-C to USB-C Cable (C14091ABK) offers the following key features:

- **High-Speed Data Transfer:** Supports ultra-fast data transfer rates up to 5 Gbps, compliant with USB SuperSpeed 3.1 Gen 1 specification.
- **4K Video Output:** Capable of transmitting 4K or 2K resolution video at 60Hz, suitable for connecting to compatible monitors or displays.
- **100W Power Delivery:** Provides up to 100 watts (20V/5A) of power, supporting fast charging for laptops, tablets, and smartphones that utilize USB Power Delivery (PD) protocols, including Quick Charge 3.0 and above.
- **Durable Construction:** Features robust aluminum housings for the connectors, ensuring longevity and reliable performance.
- **Integrated E-MARK Chip:** An internal E-MARK chip manages power parameters for safe and efficient power delivery, especially crucial for high-wattage charging.

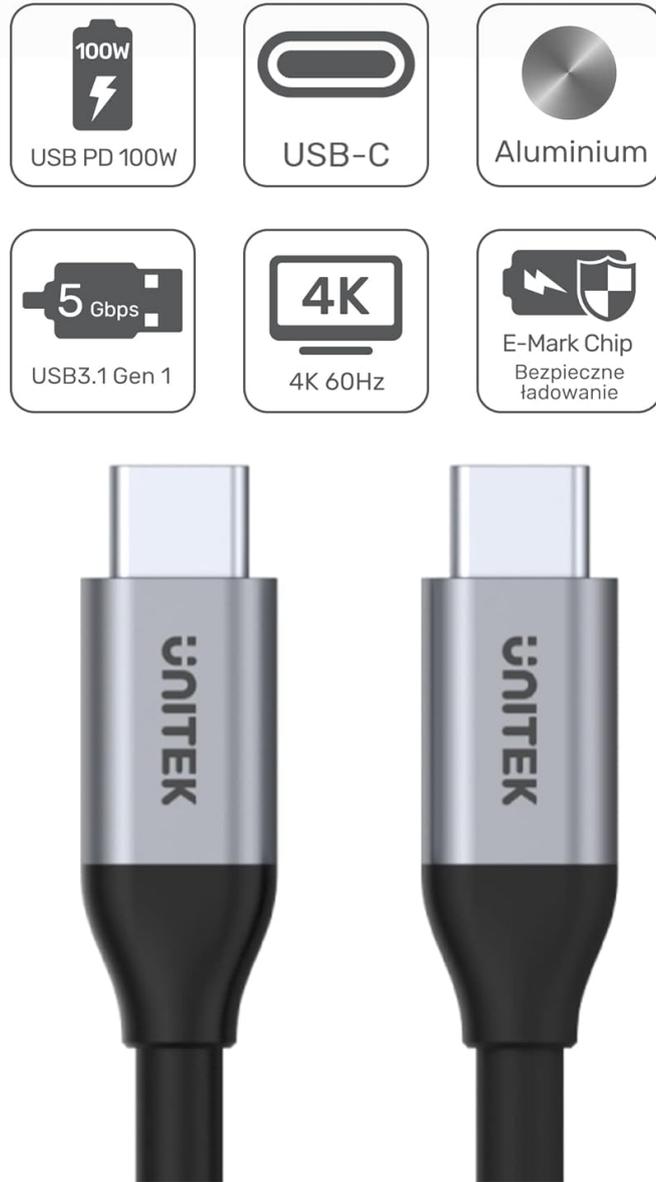


Figure 2: Visual representation of the cable's key features, including 100W USB PD, USB-C connectivity, aluminum construction, 5Gbps USB 3.1 Gen 1 data transfer, 4K 60Hz video support, and E-Mark Chip for safe charging.

3. SETUP

This USB-C cable is designed for plug-and-play functionality. No software installation or drivers are typically required.

1. **Identify Ports:** Ensure both your source device (e.g., laptop, charger) and target device (e.g., monitor, smartphone, external drive) have compatible USB-C ports.
2. **Connect Cable:** Insert one end of the USB-C cable into the USB-C port of your source device.
3. **Connect to Target:** Insert the other end of the USB-C cable into the USB-C port of your target device.
4. **Verify Connection:** The devices should automatically detect the connection and begin data transfer, video output, or charging as applicable.

4. OPERATING INSTRUCTIONS

The Unitek USB-C to USB-C Cable supports multiple functions:

- **Data Transfer:** Connect two USB-C devices to transfer files at speeds up to 5 Gbps. Ensure both devices support USB 3.1 Gen 1 or higher for optimal performance.
- **Video Output:** Connect a USB-C enabled laptop or tablet to a USB-C monitor or display for video output up to 4K at 60Hz. The source device's USB-C port must support DisplayPort Alternate Mode (Alt Mode).
- **Power Delivery (Charging):** Use the cable with a compatible USB-C power adapter and device to charge at up to 100W. The charging speed depends on the capabilities of both the charger and the device being charged.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Unitek USB-C to USB-C Cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling or bending the cable at sharp angles.
- **Cleaning:** Use a soft, dry cloth to clean the cable and connectors. Do not use liquid cleaners or solvents.
- **Handling:** Always grasp the connector housing when plugging or unplugging the cable. Avoid pulling directly on the cable itself, as this can damage the internal wires.
- **Inspection:** Periodically inspect the cable for any signs of damage, such as frayed insulation, bent pins, or cracked connectors. Discontinue use if damage is observed.

6. TROUBLESHOOTING

If you encounter issues with your Unitek USB-C to USB-C Cable, consider the following troubleshooting steps:

- **No Connection/Detection:**
 - Ensure both devices are powered on and their USB-C ports are clean and free of debris.
 - Try unplugging and re-plugging the cable firmly into both devices.
 - Test the cable with different USB-C ports on your devices, if available.
 - Test the cable with other known working USB-C devices to isolate if the issue is with the cable or the connected devices.
- **Slow Data Transfer:**
 - Verify that both connected devices support USB 3.1 Gen 1 (5 Gbps) or higher. Older USB 2.0 ports will limit speeds.
 - Ensure no other high-bandwidth operations are running simultaneously.
- **No Video Output:**
 - Confirm that your source device's USB-C port supports DisplayPort Alt Mode. Not all USB-C ports support video output.
 - Check the display settings on your source device to ensure the external monitor is detected and configured correctly.
 - Ensure the monitor's input is set to the correct USB-C input.
- **No Charging/Slow Charging:**
 - Verify that both your power adapter and the device being charged support USB Power Delivery (PD) and the desired wattage (up to 100W).

- Ensure the power adapter is connected to a working power outlet.
- Some devices may require specific charging protocols; ensure compatibility.

7. SPECIFICATIONS

Specification	Detail
Brand	Unitek
Model Number	C14091ABK
Manufacturer	UNITEK
Connector Type	USB Type C
Cable Type	USB
Connector Gender	Male-to-Male
Data Transfer Speed	Up to 5 Gbps (USB 3.1 Gen 1)
Video Resolution Support	4K @ 60Hz
Power Delivery	Up to 100W (20V/5A)
Special Features	E-MARK Chip, Aluminium Connectors
Compatible Devices	Devices with USB-C Port
Colour	Black
Product Dimensions	11.5 x 6.83 x 4.04 cm; 200 g (Packaging/Cable)

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Unitek website. Keep your proof of purchase for warranty claims.