



Monoprice™

Thunderbolt 5 Cable, USB-C to USB-C, 80Gbps (120Gbps Bandwidth Boost), 240W Charging, 8K Video, Backward Compatible with Thunderbolt 4/3 and USB4

The Monoprice Thunderbolt 5 cable connects a current laptop to the gear that makes it a workstation: a Thunderbolt dock, an external graphics enclosure, high-speed storage, and an 8K display. One USB-C cable carries the data, the video, and up to 240W of charging, so a single connection replaces the tangle of separate power, display, and data cables on a desk.

At 80Gbps, with Bandwidth Boost to 120Gbps for video, the cable doubles the bandwidth of Thunderbolt 4 and keeps an external GPU or a multi-drive array from being held back by the cable. An integrated e-marker chip lets connected devices negotiate full speed and power automatically, the reversible USB-C connector plugs in right the first time, and the gold-plated connectors and flexible TPE jacket are built for daily use. Certified through Intel's Thunderbolt program and compatible with Thunderbolt 4, Thunderbolt 3, USB4, and USB-C, it works with existing hardware today and the newest Thunderbolt 5 systems as you upgrade, with the professional-grade performance Monoprice prices below premium-brand alternatives, and it is backed by a Monoprice lifetime limited warranty.

- One cable does it all. Carries Thunderbolt 5 data, 8K video, and up to 240W of charging over a single USB-C connection.
- Up to 120Gbps bandwidth. 80Gbps bi-directional with Bandwidth Boost to 120Gbps for video, double the 40Gbps of Thunderbolt 4.
- Charges a workstation laptop. Up to 240W of USB Power Delivery EPR powers and charges a 16-inch-class laptop while it drives a display.
- 8K video ready. Drives multiple 8K or three 4K60 displays over DisplayPort 2.1.
- Thunderbolt certified. Completes Intel's mandatory Thunderbolt certification for interoperability and reliability.
- Works with what you own. Compatible with Thunderbolt 4, Thunderbolt 3, USB4, USB 3.0, USB 2.0, and USB-C devices.
- Built to last. Gold-plated USB4 Type-C connectors and a flexible TPE jacket rated to UL Style 22414, backed by a lifetime limited warranty.
- Six lengths. From 0.3m at the desk to 1.5m across it.



ONE CABLE FOR DATA, 8K VIDEO, AND 240W POWER

Connect a dock, an external display, and a charger through a single port instead of running separate cables for each.

The cable carries Thunderbolt 5 data, DisplayPort 2.1 video, and USB Power Delivery (USB PD, the standard for negotiated charging over USB-C) on one connection. It supports up to 240 W of charging under the USB PD Extended Power Range (EPR) profile, enough to run and charge a 16-inch-class workstation laptop while it also drives a display.



UP TO 120GBPS THUNDERBOLT 5 BANDWIDTH

Move large media libraries, run an external GPU, or daisy-chain docks without the cable becoming the bottleneck.

The cable provides 80 Gbps of bi-directional, double the 40 Gbps ceiling of Thunderbolt 4 and USB4 Gen 3, and uses Thunderbolt 5 Bandwidth Boost to deliver up to 120 Gbps to a display when video demand is high



8K VIDEO OVER USB-C

Drive one or more high-resolution monitors from the same cable that handles data and power.

Over DisplayPort 2.1, the cable supports multiple 8K displays or three 4K @ 60Hz displays, depending on the connected host and dock.

Full Specs

Product ID	50154, 49893, 49894, 49895, 49896, 49897
Connector A	USB-C (USB4 Type-C male)
Connector B	USB-C (USB4 Type-C male)
Standard	Thunderbolt 5
Max Data Rate	80 Gbps
Bandwidth Boost	Up to 120 Gbps
Max Charging Power	240 W
Video Support	Multiple 8K, or three 4K @ 60Hz
Compatibility	Thunderbolt 5/4/3, USB4, USB 3.0, USB 2.0, USB-C
E-marker	Yes (Emark IC)
Connector Plating	Gold contacts, nickel-plated shell
Jacket Material	Thermoplastic elastomer (TPE), black
Jacket UL Style	UL 22414 (80 C, 60 V)
Cable Outer Diameter	4.9 mm (0.3-1.2 m); 5.45 mm (1.5 & 2 m)
Lengths Offered	0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 m
Operating Temperature	-40 C to 80 C
Country of Origin	China
Warranty	Lifetime limited