1.5ft (50cm) Thunderbolt 5 Cable, 80Gbps/Up to 120Gbps, 240W PD, 8K 60Hz, Certified Thunderbolt Cable - Compatible w/Thunderbolt 4/USB4/USB-C

Product ID: TBLT5MM50CM240W



Experience reliable, ultra-high performance between Thunderbolt 5-enabled devices, supporting up to twice the bandwidth of Thunderbolt 4, 8K 60Hz video, and 240W charging over a single connection. This Thunderbolt 5 cable is ideal for high-performance laptops such as 16in MacBook Pro with M4 Pro/Max.

Thunderbolt 5 delivers bidirectional bandwidth of 80 Gbps, evenly distributed across its data lanes for consistent high-speed performance in both directions. When higher display bandwidth is required, the cable's Boost Mode reallocates the data lanes, enabling 120 Gbps of bandwidth in one direction (transmit) while maintaining 40 Gbps in the other (receive). This asymmetric configuration is ideal for display-intensive tasks, such as driving multiple 8K monitors or handling high-resolution video workflows, while still supporting robust data transfer capabilities.

For seamless operation between Type-C Thunderbolt-enabled devices, the Thunderbolt 5 Cable is Thunderbolt Certified for guaranteed Thunderbolt 5 performance and backward compatibility. Certified cables provide consistent, reliable performance across multiple resolutions, refresh rates, and resource-intensive applications.

The Thunderbolt 5 cable features a flexible TPE outer jacket that is tested to withstand 2,000 bending cycles at -/+90 degrees, and routes easily around corners and desk edges. Robust strain reliefs enable convenient positioning of the cable. The durable Nickel-plated connectors are rated to operate beyond 10,000 insertions.

This Certified Thunderbolt 5 Cable supports full Thunderbolt 5 performance:

• 80 Gbps bidirectional bandwidth, doubling the capacity of Thunderbolt 4

• 120 Gbps boost mode for display-intensive applications

• DisplayPort 2.1 Alt Mode: Up to 8K 60Hz/4K 240Hz video with DSC, HDR, and 10-bit color

• PCI Express 4.0 (64 Gbps) support for GPUs, NICs, and storage in PCIe chassis

• 240W Power Delivery EPR for charging for high-performance laptops

• Backward Compatibility with Thunderbolt 4/3, USB4 (40 Gbps), and USB 3.2 (10 Gbps)

This versatile Thunderbolt 5 cord is constructed with braided alloy shielding to minimize EMI for seamless and consistent data/video output and long-term reliable performance.

Certifications, Reports and Compatibility



Applications

• Support full Thunderbolt 5 capabilities between Thunderbolt 5-enabled devices

• Deliver up to 8K 60Hz video, 240W charging, and 80Gbps bidirectional throughput over a single connection

• 120Gbps boost mode supports multiple UHD displays while maintaining consistent data transfer rates

• Intel Certified Thunderbolt 5 Cable for guaranteed Thunderbolt 5 performance and backward compatibility with Thunderbolt 4/3, USB4, and USB-C

Features

• NEXT-GEN PERFORMANCE: Achieve full Thunderbolt 5 capabilities with 80Gbps bandwidth, boosting up to 120Gbps for display-intensive tasks; Deliver up to 240W charging to high-performance laptops and support dual 8K 60Hz displays over a single connection

• THUNDERBOLT CERTIFIED: Intel Thunderbolt-certified for seamless compatibility with next-gen devices; Backward compatible with Thunderbolt 4/3, USB4 (40Gbps)/USB-C; Designed for Thunderbolt 5-enabled docks/laptops such as Apple MacBook Pro M4 Pro/Max

• APPLICATIONS: Ideal for resource-intensive workflows such as real-time 3D modeling/rendering and 8K/4K video editing; Supports PCI Express 4.0 (64 Gbps) for GPUs, NICs, & storage in PCIe chassis, enabling peak performance for high-bandwidth peripherals

• QUALITY CONSTRUCTION: Shielded 30/34AWG coaxial wire for enhanced EMI protection; Durable TPE Jacket is halogen-free and RoHS compliant; Robust strain reliefs on connectors for improved durability

• SPECS: 0.5-meter (1.6-foot); Thunderbolt 5 (80Gbps with 120Gbps Boost); Supports Thunderbolt 4/3/USB4; DP 2.1 Alt Mode w/DSC/HDR/10-bit Color; Dual 8K 60Hz/4K 240Hz; PCIe 4.0 (64 Gbps); 240W PD EPR; 30/34 AWG Coaxial Wire; 0.18in (4.6mm) O.D.

Hardware

Warranty	Lifetime
Active or Passive Adapter	Passive

	Connector Plating	Nickel
	Cable Jacket Material	TPE - Thermoplastic Elastomers
	Cable Shield Material	Tinned Copper Braid
Performance		
	Video Revision	DisplayPort 2.1
	Maximum Data Transfer Rate	80Gbps
Connector(s)		
	Connector A	1 - Thunderbolt 5
	Connector B	1 - Thunderbolt 5
Power		
	Power Delivery	240W
Environmental		
	Operating Temperature	10C to 40C (50F to 104F)
	Storage Temperature	-10C to 50C (14F to 122F)
	Humidity	85% RH
Physical Characteristics		
	Color	Black
	Connector Style	Straight
	Wire Gauge	30/34 AWG
	Cable Length	1.6 ft [0.5 m]
	Cable OD	0.2 in [4.6 mm]
	Product Length	20.2 in [513.3 mm]
	Product Width	0.5 in [12.4 mm]
	Product Height	0.2 in [6 mm]
	Weight of Product	0.8 oz [24 g]

Packaging Information		
	Package Length	8.7 in [22.0 cm]
	Package Width	5.0 in [12.8 cm]
	Package Height	0.8 in [2.0 cm]
	Shipping (Package) Weight	0.8 oz [22.0 g]

What's in the Box		
	Included in Package	1 - 50cm Thunderbolt 5 Cable

Product appearance and specifications are subject to change without notice.