5m (16ft) Active USB4 Cable, USB-C Active Optical Cable (AOC), 40Gbps, 60W, 8K 60Hz/4K 240Hz, DP2.1 DP80, Braided Jacket, Thunderbolt Compatible USB-C Cable

Product ID: USB4-AOB4060-5M



Connect your USB Type-C devices reliably with this active optical USB4 cable, supporting data transfer speeds up to 40Gbps, 8K/4K video, and 60W Power Delivery. Each connector is laser-etched with USB4 specifications, an exclusive feature that eliminates guesswork, confirms compatibility, and verifies USB4 performance.

This USB4 Active Optical Cable (AOC) is designed for long runs, featuring a hybrid construction that offloads low-bandwidth signals over copper conductors while preserving full 40Gbps and 8K 60Hz video bandwidth across the fiber optic cores. Shielded copper conductors and fiber inner cores greatly reduce EMI, ensuring optimal signal quality over extended distances.

Safely power high-performance laptops and USB-C devices with up to 60W of Extended Power Range (EPR) Power Delivery 3.1 using a compatible USB-C docking station or wall charger. An integrated e-marker chip ensures accurate power negotiation for stable, consistent charging. Ideal for professional laptops such as Apple M-series MacBook Air.

Drive sharp 8K 60Hz video or dual 4K 120Hz displays via DisplayPort 2.1 Alt Mode with DSC, HBR3, and HDR10+ support. Suitable for professional 3D rendering, high-frame-rate video, and bandwidth-intensive visual workflows. This USB4 cable integrates seamlessly with USB-C docks and maintains backward compatibility with a wide range of resolutions and refresh rates.

Certifications, Reports and Compatibility

Applications

• Connect meeting-room laptops to USB-C docks positioned away from the conference table

• Deploy shared workstations with up to 5m of reach between the laptop and USB-C docking station

• Connect USB4 storage devices positioned away from the workstation for large file transfers in video editing and content creation workflows

• Connect control-room workstations to compatible USB-C displays or docks up to 5m away for flexible operator-console layouts

Features

• Deliver USB4 Over Fiber: Extend USB4 devices beyond the reach of passive cables with an Active Optical Cable (AOC) designed for reliable 40Gbps and 8K/4K video over fiber optic cores, while supporting up to 60W charging

• Built for Demanding Installations: USB4 Active Optical Cable features a dual-layer jacket with a flexible TPE inner layer and braided nylon exterior to withstand frequent bends and everyday use in mission-critical installations

• Identify Specs Instantly: Swiftly identify this USB4 cable with Quick ID connector markings; Hybrid AOC construction combines fiber optic cores with shielded copper conductors to minimize EMI; Ensure full USB4 performance across longer distances

• Ultra-Fast Docking Cable: Designed to work with USB-C docks; Deploy this long USB-C AOC in meeting rooms for extra reach between devices; Ideal for high-performance laptops such as Apple M-series MacBook Air

• The IT Pro's Choice: Our USB-C cables are rigorously tested in our in-house Innovation Lab for reliable performance and broad compatibility with a variety of devices; Backed by free lifetime 24/5 multi-lingual technical assistance

General		
	UPC	065030934060
	Warranty	3 Years
Power		
	Power Delivery	60W
	Input Current	5A
Physical & Environmental		
	Color	Black
	Material	TPE
	Connector Style	Straight
	Cable Length	16.4 ft [5 m]
	Cable OD	0.2 in [4.4 mm]

	Product Length	16.4 ft [5.0 m]
	Product Width	0.5 in [12.3 mm]
	Product Height	0.3 in [7 mm]
	Weight of Product	6.2 oz [177 g]
	Operating Temperature	0&degC to 50&degC (32&degF to 122&degF)
	Storage Temperature	-20C to 70C (-4F to 158F)
	Humidity	0 - 65% RH
Performance		
	HDR Support	HDR10+
	Maximum Data Transfer Rate	40 Gbps
	Type and Rate	USB4 (40Gbps)
	Supported Protocols	USB4 USB 3.2 DisplayPort 2.1 (DP80) Alt Mode Power Delivery 3.0 ,
	Audio Specifications	DisplayPort - 32 Channel Audio
	Maximum Digital Resolutions	8K 60Hz
	Video Revision	DisplayPort 2.1
Hardware		
	Active or Passive Adapter	Active
	Connector Plating	Nickel
Packaging & In-the-Box		
	Included in Package	1 - Active Optical USB4 Cable
	Package Width	6.7 in [17 cm]
	Package Depth	7.5 in [19 cm]

	Package Height	1.0 in [25 mm]
	Shipping (Package) Weight	7.8 oz [222 g]

Connector(s)		
	Connector 1 (Quantity)	1
	Connector 1	USB-C (40Gbps, 60W)
	Connector 1 (Gender)	Male
	Connector 2 (Quantity)	1
	Connector 2	USB-C (40Gbps, 60W)
	Connector 2 (Gender)	Male

Product appearance and specifications are subject to change without notice.