

USB-C to USB-C Full-Function Fiber Active Optical Cable (AOC) - USB 3.2 Gen 2 (10 Gbps), 8K, HDR, 4:4:4, 40W PD Charging, M/M, Black, 15 m (49 ft.)

MODEL NUMBER: U420F-15M



All-in-one USB-C fiber optic cable supports 10 Gbps data transfer, 8K video and 40W PD charging for your IT or Pro AV application.

Features

USB-C Fiber Optic Cable Combines Data Transfer and 8K/4K Video

This full-function active optical cable (M/M) securely connects the USB-C, Thunderbolt 3 or Thunderbolt 4 port on your desktop, laptop or notebook computer to a USB-C data or audio/video device, such as a storage device, media server or surveillance camera, located up to 15 meters (49 feet) away. It is ideal for high-end video conferencing, USB camera placement, 3D printers or high-resolution Pro AV devices, such as touchscreen displays, digital signage or travel displays that can be powered via USB-C PD charging.

Supports USB-C DisplayPort Alternate Mode for Converting Audio/Video Signals

By connecting the USB-C end to a source device that supports USB DisplayPort Alt Mode, you can output 8K/4K video and digital audio to a USB-C monitor, television or projector without installing special software drivers.

Transmits 8K and 4K Video with HDR and 4:4:4 Color

The U420F-15M supports Ultra HD 8K resolutions up to 7680 x 4320 at 60 Hz and 4K resolutions up to 3840 x 2160 at 144 Hz with 30-bit Deep Color. It also supports HDR (High Dynamic Range), providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your display. HDCP 2.2 encryption allows you to stream 4K content with no loss in resolution. This cable also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Transfers Data and Powers Devices for Innovative Workspace Applications

The full-function U420F-15M connects your MacBook Pro, Windows laptop or other USB-C device to the USB-C port on Logitech or Poly video conferencing cameras, touchscreen displays and smartboards. It supports USB 3.2 Gen 2 data transfer rates up to 10 Gbps. It also provides power output up to 20V 2A (40W), which is enough to power most laptops, as well as connected equipment or travel displays. The plug-and-play cable is compatible with Thunderbolt 3 and Thunderbolt 4 devices, as well as USB-C.

Highlights

- Supports USB 3.2 Gen 2 speeds up to 10 Gbps to ensure lightning-fast data transfers
- Provides 40W power output for charging, syncing and powering the host device
- Supports 8K @ 30 Hz or 4K @ 144 Hz for high-resolution gaming or video editing
- Compatible with all USB-C, Thunderbolt 3 and Thunderbolt 4 computer ports
- Fiber optic construction ideal for long-distance connections not supported by copper

System Requirements

- Host device with USB-C, Thunderbolt 3 or Thunderbolt 4 port (USB 3.2 Gen 2 compatibility required to achieve USB 3.2 Gen 2 speeds)
- Host device must support DisplayPort Alt Mode 1.4
- Display must support video resolutions up to 8K @ 60 Hz or 4K @ 144 Hz
- Host device and charger must support PD charging up to 20V 2A (40W)

Package Includes

U420F-15M USB-C to USB-C Fiber Active Optical Cable, M/M, Black, 15 m (49 ft.)

Specifications



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OVERVIEW	
UPC Code	037332294418
Technology	Thunderbolt; USB 3.x
Cable Type	Active
VIDEO	
Number of Monitors Supported	1
Supported Resolutions	3840x4320 (4K); 7680x2160 (8K)
Max Supported Video Resolution	7680 X 4320 @ 30HZ
Max Supported Color Depth	30-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4
EDID Support	Yes
DisplayPort Alt Mode	Yes
DSC Support	Yes
POWER	
USB Power Delivery (PD) Charging Support	Yes
USB Power Delivery (PD) Charging Specification	20V/2A; 40W
CONNECTIONS	
Side A - Connector 1	USB C (MALE)
Side B - Connector 1	USB C (MALE)
Connector Plating	Gold
Contact Plating	Gold
Connector Style	Straight
CHARGING	
Total Charging Amps	2A
Total Charging Watts	40
Compatible Devices	Laptop; Smartphone; Tablet; Video Game Console
PHYSICAL	
Color	Black
Material of Construction	TPE



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Cable Jacket Color	Black
Connector Color	Black
Cable Jacket Material	TPE
Cable Jacket Rating	VW-1
Cable Outer Diameter (OD)	6.5MM
Wire Gauge (AWG)	21/24/28
Cable Length (ft.)	49.2
Cable Length (m)	15.00
Cable Length (in.)	196
Cable Length (cm)	500
Shipping Dimensions (hwd / in.)	2.91 x 9.25 x 8.86
Shipping Weight (lbs.)	2.65
Shipping Weight (kg)	1.20
Unit Dimensions (hwd / in.)	9.000 x 7.000 x 0.500
Unit Packaging Type	Box
ENVIRONMENTAL	
Operating Temperature Range	-4° to 158°F (-20° to 70°C)
Storage Temperature Range	32° to 122°F (0° to 50°C)
Relative Humidity	5% to 90% RH, Non-Condensing
Operating Humidity Range	5% TO 90% RH, NON-CONDENSING
Storage Humidity Range	5% TO 90% RH, NON-CONDENSING
Power Provided to Connected Device(s)	40W (20V/2A)
COMMUNICATIONS	
EDID Compatible	Yes
Consumer Electronics Control (CEC) Supported	Yes
FEATURES & SPECIFICATIONS	
USB Specification	USB 3.2 Gen 2 (Up to 10 Gbps)
Data Transfer Rate	10 Gbps
Displayport Specification	1.4; 2.1
HDCP Specification	2.2
STANDARDS & COMPLIANCE	
Product Compliance	CE (Europe); FCC (USA); REACH; RoHS; UKCA; WEEE

WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	3-year limited warranty
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