USB-C to USB-C Plenum-Rated Fiber Active Optical Cable (AOC) - 4K 60 Hz, HDR, 4:4:4, M/M, Black, 10 m (33 ft.)

MODEL NUMBER: **U420F-10M-V**



In-wall fiber cable connects A/V components to a 4K display in your digital signage application, auditorium, home theater or security system.

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- 10 m (33 ft.) length allows flexibility in placing source and display devices where needed
- Supports High Dynamic Range (HDR) for richer contrast and expanded color accuracy
- Plenum rated for horizontal premise applications in air ducts and drop ceilings
- Fiber optic construction ideal for long-distance connections not supported by copper

Package Includes

U420F-10M-V USB-C to USB-C Fiber Active Optical Cable, M/M, Black, 10 m (33 ft.)

Features

4K USB-C Cable Connects Home Theater, Office and Digital Signage Components
This USB Type-C to USB Type-C fiber optic cable (M/M) securely connects the USB-C or Thunderbolt 3 port on your MacBook, Windows laptop or other compatible device to an HDTV, monitor or projector with a USB-C input. Because the cable uses optical fiber, it can transmit audio/video signals longer distances with no latency or loss.

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 4K video and digital audio to a USB-C monitor, television or projector without installing special software drivers.

Transmits Crystal-Clear 4K Video with HDR and 4:4:4 Color
The U420F-10M-V supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz, as well as HDR video, providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications. This cable also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor. ***Note:*** *To enhance the video experience, the connected displays must have the latest drivers/firmware. See your display's manual or visit the display's official website for the latest drivers/firmware.*

Advanced Fiber Cable Is Easier to Install than Copper
Because the fiber cable is slimmer and more flexible than standard copper cables, the U420F-10M-V is easier to install around corners and in hard-to-reach spaces behind equipment. It draws power from the connected device, so no external power supply is needed to transmit the audio/video signal across the longer distances unique to fiber optic cabling. ***Note****: The cable must be installed in the correct direction to function properly, so please check the Source and Display labels on the connectors before installation.*

CMP Jacket Designed for In-Wall Installations
The plenum-rated jacket has low smoke and flame characteristics, making it suitable for premise applications in ceilings, walls and ducts.

10 m Cable Lets You Design an Audio/Video Application to Your Specifications

This long cable allows you greater flexibility in placing your home theater or digital signage components. For instance, your laptop or media server may be concealed some distance from the connected display for security purposes.

Specifications

OVERVIEW	
UPC Code	037332275080
Technology	USB 3.x
Cable Type	Active
VIDEO	
Resolutions Supported	3840 x 2160 @ 60Hz
Max Supported Video Resolution	3840 x 2160 @ 60Hz
Max Supported Color Depth	24-bit True Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
EDID Support	Yes
DisplayPort Alt Mode	Yes
AUDIO	
Audio Specification	DOLBY MAT AND DOLBY DTS HD
INPUT	
Bus Powered	Yes
POWER	
USB Power Delivery (PD) Charging Support	No
CONNECTIONS	
Side A - Connector 1	USB C (MALE)
Side B - Connector 1	USB C (MALE)
Connector Plating	Gold
Contact Plating	Gold
Connector Style	Straight
PHYSICAL	
Material of Construction	PVC (Plenum-Rated Cable) + Zinc Alloy (Connector Ends)

Cable Jacket Color	Black
Connector Color	Light Gray
Cable Jacket Material	PVC
Cable Jacket Rating	CMP
Cable Outer Diameter (OD)	4.5 mm
Cable Length (ft.)	32.8
Cable Length (m)	10.00
Cable Length (in.)	393.7
Unit Dimensions (hwd / in.)	1.540 x 9.250 x 8.860
Unit Packaging Type	Box
ENVIRONMENTAL	
Operating Temperature Range	32° to 122°F (0° to 50°C)
Storage Temperature Range	-40° to 158°F (-40° to 70°C)
Relative Humidity	10% TO 80% RH, Non-Condensing
Operating Humidity Range	10% TO 80% RH, Non-Condensing
Storage Humidity Range	10% TO 80% RH, Non-Condensing
COMMUNICATIONS	
Consumer Electronics Control (CEC) Supported	Yes
FEATURES & SPECIFICATIONS	
IP68 Rated	No
IP20 Rated	No
Displayport Specification	1.2
HDCP Specification	1.4; 2.2
Driver Required	No
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA C22.2; EN 55032; ICES (Canada); UL Listed
Product Compliance	CE (Europe); FCC (USA); REACH; RoHS; UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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