

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

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.

### 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.

### 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.)

## 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                                                    |
| USB 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                                                     |
| 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                                       |
| <b>ENVIRONMENTAL</b>                         |                                           |
| 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             |
| <b>COMMUNICATIONS</b>                        |                                           |
| Consumer Electronics Control (CEC) Supported | Yes                                       |
| <b>CONNECTIONS</b>                           |                                           |
| Side A - Connector 1                         | USB C (MALE)                              |
| Side B - Connector 1                         | USB C (MALE)                              |
| Connector Plating                            | Gold                                      |
| Contact Plating                              | Gold                                      |
| <b>FEATURES &amp; SPECIFICATIONS</b>         |                                           |
| IP68 Rated                                   | No                                        |
| IP20 Rated                                   | No                                        |
| Displayport Specification                    | 1.2                                       |
| HDCP Specification                           | 1.4; 2.2                                  |
| Driver Required                              | No                                        |
| <b>STANDARDS &amp; COMPLIANCE</b>            |                                           |
| Product Certifications                       | CAN/CSA C22.2; EN 55032; ICES (Canada)    |
| Product Compliance                           | CE (Europe); FCC (USA); REACH; RoHS; UKCA |
| <b>WARRANTY &amp; SUPPORT</b>                |                                           |
| Product Warranty Period (Worldwide)          | 3-year limited warranty                   |



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