

## USB-C AOC Cable (M/M) - USB 3.2 Gen 2 (10 Gbps) Plenum-Rated Fiber Active Optical Cable - Data Only, Black, 20 m (66 ft.)

MODEL NUMBER: U420F-20M-D3



High-speed in-wall fiber cable connects a USB-C device to the USB-C port on your computer up to 20 meters away.

### Features

#### Active Optical Cable Connects Servers, Hard Drives and Other USB-C Components

This USB 3.2 Gen 2 fiber optic cable (M/M) securely connects the USB-C port on your desktop, laptop or notebook computer to a USB-C device, such as a server, external hard drive or surveillance camera, located up to 20 meters (66 feet) away. This data-only cable supports USB 3.2 Gen 2 data transfer rates up to 10 Gbps. **Note:** This USB-C cable is not backward compatible with USB 3.2 Gen 1, 2.0 or 1.1 devices.

#### Advanced Fiber Cable Is Easier to Install than Copper

Because the fiber cable is slimmer and more flexible than standard copper USB cables, the U420F-20M-D3 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 USB signal across the longer distances unique to fiber optic cabling.

#### 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.

#### 20 m Cable Lets You Design an Application to Your Custom Specifications

This long cable allows you greater flexibility in placing your USB components. For instance, your camera or hard drive may be located in a different room away from your office or in a central location where others have access to it. The plug-and-play U420F-20M-D3 supports all major operating systems, including Windows, macOS and Linux. **Note:** This data-only cable provides up to 1A of power to the connected device. If your device requires more than 1A of power, an external power supply will be required for the connected USB device.

## Specifications

### Highlights

- 20 m (66 ft.) length allows flexibility in placing USB-C devices where most needed
- Fiber optic construction ideal for long-distance connections not supported by copper
- Supports only USB 3.2 Gen 2 speeds up to 10 Gbps to ensure fast data transfers
- Plenum rated for horizontal premise applications in air ducts and drop ceilings
- Slim, flexible cable easily installs around corners and through hard-to-reach areas

### System Requirements

USB 3.2 Gen 2 ports required on both connected devices. This cable is not compatible with previous USB generations.

### Package Includes

U420F-20M-D3 USB 3.2 Gen 2 Fiber Active Optical Cable, M/M, 20 m (66 ft.)

|  |  |
|--|--|
| UPC Code                                 | 037332275134   |
| Technology                               | USB; USB 3.x   |
| Cable Type                               | Active   |
| <b>INPUT</b>                             |  |
| Bus Powered                              | Yes  |
| <b>POWER</b>                             |  |
| USB Power Delivery (PD) Charging Support | No   |
| <b>PHYSICAL</b>                          |  |
| 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   |
| Wire Gauge (AWG)                         | 18   |
| Cable Length (ft.)                       | 65.6   |
| Cable Length (m)                         | 20.00  |
| Cable Length (in.)                       | 787.4  |
| Unit Dimensions (hwd / in.)              | 1.210 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                | -4° to 158°F (-20° to 70°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                           |
| <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> |  |
|--------------------------------------|--|
| USB Specification                    | USB 3.1 Gen 2 (up to 10 Gbps); USB 3.2 Gen 2 (Up to 10 Gbps) |
| Data Transfer Rate                   | 10 Gbps  |
| Driver Required                      | No   |
| <b>STANDARDS &amp; COMPLIANCE</b>    |  |
| Product Certifications               | CAN/CSA C22.2; EN 55032; UL Listed                           |
| Product Compliance                   | CE (Europe); FCC (USA); REACH; RoHS; UKCA                    |
| <b>WARRANTY &amp; SUPPORT</b>        |  |
| Product Warranty Period (Worldwide)  | 3-year limited warranty                                      |