

High-Speed USB-C to HDMI Fiber Active Optical Cable (AOC) - UHD 4K 60 Hz, HDR, CL3 Rated, Black, 50 m

MODEL NUMBER: **U444F3-50M-H4K6**



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

Features

4K USB-C to HDMI Cable Connects Home Theater, Office and Digital Signage Components

This USB Type-C to HDMI 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 HDMI input. Because the cable uses optical fiber, it can transmit audio/video signals longer distances with no latency or loss. It also is immune to EMI/RFI line noise that can interfere with your audio/video signal and disrupt the performance of your connected equipment.

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 an HDMI monitor, television or projector without installing special software drivers.

Transmits Crystal-Clear 4K Video with HDR and 4:2:2 Color

The U444F3-50M-H4K6 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 and 4:2:2 chroma subsampling allow you to stream 4K Amazon and Netflix content with no complications.

Advanced Fiber Cable Is Easier to Install than Copper

Because the fiber cable is slimmer and more flexible than standard copper cables, the U444F3-50M-H4K6 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.

Premium Construction for Superior Performance

High-quality materials ensure outstanding performance throughout the cable's lifetime. The PVC jacket carries a CL3 rating, making it suitable for in-wall cable installation in residential or commercial settings. Contacts and connectors are gold-plated to provide maximum conductivity and minimum data loss to guarantee a clear transmission free of interference.

Highlights

- Supports razor-sharp 4K @ 60 Hz (4:2:2) video resolutions as specified in HDMI 2.0
- 50 m (164 ft.) length allows flexibility in placing source and display devices where needed
- Supports High Dynamic Range (HDR) for richer contrast and expanded color accuracy
- CL3-rated PVC cable jacket meets required standards for commercial in-wall installation
- Draws power from connected device to transmit 4K signal over long distances

Applications

- Watch 4K video content from a MacBook or Windows laptop on an Ultra HD television, monitor or projector
- Connect a notebook computer to a conference table's A/V box to give a video presentation on a large screen
- Send 4K video content via in-wall cable setups to digital signs or point-of-sale displays
- Connect a security camera or other A/V surveillance equipment to a central monitor

System Requirements

- Display device with HDMI input
- Source device with USB-C or Thunderbolt 3 port that supports USB DisplayPort Alternate Mode

Package Includes

U444F3-50M-H4K6 High-Speed USB-C to HDMI Fiber Active Optical Cable, M/M, Black, 50 m (164 ft.)



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Reversible USB-C Connector Attaches in Either Direction

Unlike traditional USB cables that connect in only one direction, the reversible USB-C male connector plugs into a USB-C or Thunderbolt 3 port in either direction for an instant connection every time.

50 m (164 ft.) 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	037332259882
Technology	HDMI; USB 3.x
VIDEO	
Max Supported Video Resolution	3840 X 2160 (4K x 2K) @ 60 Hz
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
Chroma Sub Sampling	4:2:0; 4:2:2
INPUT	
Bus Powered	Yes
PHYSICAL	
Color	Black
Material of Construction	PVC + ZINC ALLOY
Cable Jacket Material	PVC
Cable Jacket Rating	CL3
Cable Outer Diameter (OD)	5.8MM
Wire Gauge (AWG)	28/24
Cable Length (ft.)	164
Cable Length (m)	50.00
Cable Length (in.)	1968.5
ENVIRONMENTAL	
Operating Temperature Range	32 TO 113 F (0 TO 45 C)
Storage Temperature Range	14 TO 158 F (-10 TO 70 C)
Operating Humidity Range	10% TO 85% RH, NON-CONDENSING
Storage Humidity Range	5% TO 90% RH, NON-CONDENSING



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CONNECTIONS	
Side A - Connector 1	USB C (MALE)
Side B - Connector 1	HDMI (MALE)
Connector Plating	Gold
Contact Plating	Gold
FEATURES & SPECIFICATIONS	
HDCP Specification	2.2
USB Specification	USB 3.0 (up to 5 Gbps); USB 3.1 Gen 1 (up to 5 Gbps)
Driver Required	No
STANDARDS & COMPLIANCE	
Certifications	CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	3-year limited warranty

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