

30ft (9.1m) HDMI 2.1 Hybrid Active Optical Cable (AOC), CMP Plenum Rated, 8K Ultra High Speed HDMI 2.1/2.0 Fiber Optic Cable, 48Gbps, 8K 60Hz/4K 120Hz, HDR10+/FRL/TMDS/eARC

**Product ID:** 8K-A-30F-HDMI-CABLE



Route this Ultra High Speed HDMI 2.1 Hybrid Active Optical Cable (AOC) through office plenum spaces for long distance transmission of 8K 60Hz video and high quality audio.

The HDMI 2.1 AOC incorporates a hybrid construction consisting of fiber optic cores and copper conductors. This enables the offloading of low-bandwidth signals (EDID/HDCP/eARC) to maintain high-bandwidth transmission of 8K 60Hz video over fiber. The fiber optic inner cores and shielded copper conductors greatly reduce EMI for optimal signal quality across longer distances.

The 8K HDMI Fiber Optic Cable supports full HDMI 2.1 specifications:

- High Bit Rate 3 (HBR3) supports up to 48Gbps bandwidth for higher refresh rates
- High Dynamic Range (HDR10+) with 12-bit processing for higher contrast ratio and vibrant, cinematic picture quality
- Enhanced Audio Return Channel (eARC) for uncompressed 7.1 and 32-channel audio
- Display Stream Compression 1.2a (DSC) for maximum resolution output
- Forward Error Correction to manage data transmission errors
- High-Bandwidth Digital Content Protection (HDCP 2.3) for a secure connection between source and display

This Plenum-Rated HDMI 2.1 Cable features a CMP-rated cable jacket with low-smoke and flame characteristics. It is ideal for use in plenum spaces in buildings (e.g., ceilings and in-wall installations). The optical fiber core is reinforced with Aramid strands for tensile strength, and is rated to withstand over 6,000 bending cycles at 120 degrees. This protects the cable from damage when routing through tight spaces requiring multiple bends.

The 4.6mm (0.18in) cable outer diameter is flexible and slimmer than typical passive HDMI cables, making it suitable for installation in space-constrained environments.

Please Note: This cable is unidirectional and must be installed in a specific direction. Please refer to the SOURCE and DISPLAY labels on the HDMI connectors to ensure that each end corresponds with the correct hardware.

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## Certifications, Reports and Compatibility



## Applications

- Deliver 8K 60Hz video over longer distances with minimal signal degradation
- Ideal for use in plenum spaces in buildings

## Features

- **Designed for Long Range**: Enable HDMI runs beyond the limits of passive cables with an active optical HDMI 2.1 cable designed for 8K 60Hz HDR video; Deliver immersive sound quality with 32-channel audio, 7.1 surround, and DTS HD Master Audio pass-through
- **Plenum-Rated Hybrid Construction**: Install this cable in ceiling and plenum spaces where a CMP-rated, flame-resistant jacket is required; Hybrid fiber optic and copper construction greatly reduces EMI, and gold-plated connectors resist wear from frequent daily use
- **Identify Specs Instantly**: Etched HDMI 2.1 specs on each Quick ID connector remove guesswork, with clear Source and Display markings for correct unidirectional installation; Aramid fiber-reinforced inner construction is designed to withstand repeated bends
- **For Extended Runs**: Ensure stable video transmission across long distances in boardrooms and pro AV installations; Supports 8K 60Hz/4K 120Hz with HDR10+ and HDCP 2.3; Works with USB-C to HDMI adapters for laptops, including Apple M-series Pro and Max MacBooks
- **The IT Pro's Choice**: Our digital display cables are rigorously lab-tested for signal integrity, durability, and compatibility across HDMI, DisplayPort, USB-C, and legacy interfaces; Backed by free lifetime 24/5 multi-lingual technical assistance

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### Hardware

Warranty	3 Years
Active or Passive Adapter	Active
Connector Plating	Gold

Cable Jacket Material	PVC
Cable Shield Material	Aluminum-polyester foil
Fire Rating	Plenum
Industry Standards	HDMI 2.1
Chipset ID	ATLX-HT21 ATLX-HR21 ,

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#### Performance

Video Revision	HDMI 2.1
Maximum Data Transfer Rate	48Gbps
Maximum Digital Resolutions	8K 60Hz 4K 120Hz 4K 60Hz ,
Audio Specifications	HDMI - 7.1 Channel Audio HDMI - 32 Channel Audio
MTBF	Rated beyond 10,000 Insertion Cycles

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#### Connector(s)

Connector A	1 - HDMI
Connector B	1 - HDMI

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#### Special Notes / Requirements

Note	This HDMI Cable is unidirectional with identified connectors for Source and Display. Please ensure that the HDMI connector labelled with "Display" is connected to the Display, TV, or Projector.
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#### Power

Power Source	Bus Powered
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#### Environmental

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-10C to 70C (14F to 158F)

Humidity	10%~90% RH
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**Physical Characteristics**

Color	Black
Connector Style	Straight
Wire Gauge	28/30 AWG
Material	Zinc Alloy
Cable Length	30.0 ft [9.1 m]
Cable OD	0.2 in [4.6 mm]
Product Length	30.1 ft [9.2 m]
Product Width	0.8 in [2.0 cm]
Product Height	0.4 in [9.0 mm]
Weight of Product	10.0 oz [284 g]

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**Packaging Information**

Package Length	9.3 in [23.7 cm]
Package Width	8.9 in [22.7 cm]
Package Height	1.7 in [4.2 cm]
Shipping (Package) Weight	13.6 oz [386.0 g]

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**What's in the Box**

Included in Package	1 - Active Optical HDMI Cable
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**Warranty Information**

Warranty	3 Years
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*\*Product appearance and specifications are subject to change without notice.*