

# OptoHD HDMI 2.0 AOC Assemblies



OptoHD HDMI 2.0 Active Optical Cable Assemblies offer familiar passive plug-and-play interfaces with reliable signal integrity performance up to 100.0m, and they deliver uncompressed video with superior resolution

## Features and Advantages

### High-speed fiber optics

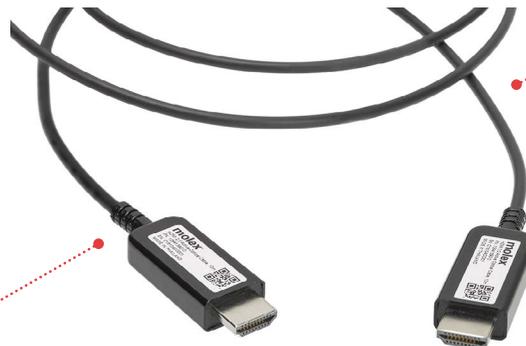
Transmits data over long lengths (up to 100.0m) without multiple connection points. Offers reliable signal integrity. Provides a future-proofed cable solution

### Transmits ultra-high definition 4k and 8k and 3-dimensional displays

Supports high-quality video transmission for applications such as home theaters and video monitors in both conference and operating rooms

### Available with standard type A and micro type D connectors

Appropriate for a range of applications



Molex OptoHD HDMI 2.0  
AOC Assembly

### Integrated AOC assembly utilizes optical cable

Ensures high-definition resolution across long distances (compared to copper) for consumer applications

### EMI/RFI resistant

Delivers stable performance in high-interference environments

### Supports high dynamic range (HDR)

Meets or exceeds expectations of today's marketplace

## Markets and Applications

### Consumer

- Personal computers
- Blu-ray/DVD
- Set-top boxes
- Monitors
- Laptops
- Gaming consoles



Smart Phones and Tablets



Patient Monitoring



AR/VR Headsets

### Smart Phones and Mobile Devices

- Tablets
- Augmented reality/virtual reality (AR/VR)

### Medical

- Surgical equipment
- Patient monitoring

### Industrial Automation

- Monitors

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## Specifications

### MECHANICAL

Cable Color: Black  
Cable Diameter: 3.80mm  
Bulkhead Dimensions:  
Type A: 30.00 by 18.00 by 10.00mm  
Type D: 28.00 by 11.50 by 8.20mm  
Operational Bend Radius: 10.00mm  
Length: 1.0 to 100.0m  
Cable Weight: 19.7 g/m  
Cable Horizontal Tensile Strength: 800N  
Pull Force: 200N

### PHYSICAL

Backshell: Glossy Plastic Shell (ABS + PC)  
Contact: Nickel or Gold-Plated Phosphorous Bronze  
Cable: Fire Rating CMP with 7X AWG 26 Copper  
Wires and 4X MultiMode Fibers  
Operating Temperature: -0 to +70°C

## Ordering Information

Series No.	Connector	Lengths (m)
<a href="#">106413-3xxx</a>	HDMI	1, 3, 5, 10, 20, 30, 50, 100

Custom Product	Description
<a href="#">Contact Molex</a>	Custom OptoHD AOC Assemblies

[www.molex.com/link/optocableassemblies.html](http://www.molex.com/link/optocableassemblies.html)

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