

C2G Performance Series High Speed HDMI Active Optical Cables (AOC) are the perfect solution for extending HDMI signals in classrooms, meeting spaces, and other commercial applications requiring high speed HDMI features and video resolutions up to 4K (4096 x 2160) at 60Hz.

The cable's fiber strand construction reduces the risk of EMI/RFI, making performance stable when used in high interference environments such as data centers, surgical theaters, or manufacturing facilities where high resolution and consistent displays are critical.

We have engineered our HDMI AOCs with quality components to give a robust design and enhanced performance, ideal for installation needs that are beyond the length limitations of standard HDMI copper cabling. Adding a thicker wire gauge and Kevlar®, we improved the cable's pull strength and overall structural integrity. The shielding in these cables optimizes the EMC, preventing unwanted electromagnetic interference and electrostatic discharges, contributing to the long-term reliability of the connected system. The cable jacket meets the fire code requirements for installation within plenum spaces, like a dropped ceiling. The AOC draws power from the HDMI source device. If additional power is needed, an integrated USB-C power pigtail is included on the display end to offer an external power option to maximize compatibility. The use of HDMI 2.1 grade components in the cable confidently improves the operation of HDMI 2.0 applications - enhancing video experiences with higher resolutions, increased speeds, and sharper images at distances far beyond traditional HDMI cabling.

Extensive compatibility and verification tests have been done with various source devices and displays to validate that these HDMI AOCs will withstand real-world applications and scenarios. HDMI AOCs can only run in one direction. The connectors have molded labeling for source and display, so there is no confusion with this directional cable. The source connector end even has a tag on the cable as an extra reminder.

Note: Use a USB-C to USB-A cable for additional power. Connect the USB-C to USB-A cable to the integrated USB-C power pigtail on the display end of the cable and power source. We recommend using C2G parts 28871 and 22335.



Features & Benefits

Commercial grade connectors that feature compact overmolding for high-density environments	Supports all HDMI 2.0 features including resolutions up to 4K (4096 x 2160) at 60Hz, which means higher quality video for viewing your screen content
Plenum-rated jacket, so you can safely run the cable inside of a wall and have a clutter free, clean look	Integrated finger grips on the connectors for easy insertion and removal
Gripping connector shell has 2x greater port retention to keep your devices connected	Gold plated connectors for increased electrical conductivity and enhanced durability
Directional cable with source connector labeled and tagged to easily differentiate from the labeled display connector	

Specifications

General Info

Product Line	C2G	Color	Black
UPC Number	757120414902	Country Of Origin	China
Warranty Type	5-Year	Type	Active Device

Dimensions

Product Length US	250.0 FT	Cable Length	250 ft
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Listing Agencies / 3rd Party Agencies

CE Certified

Yes

FCC Compliant

Yes

Technical Information

Video Resolution

4K

Bend Radius

75 mm

Jacket Rating

CMP Rated

Cable Diameter

5.5 mm

Data Transfer Rate

18 Gbps

Signal

HDMI 2.0

Storage Temperature

-40° - 100° C
