



AOC 2.1 - Active Optical Cable - HDMI High Speed 8K@60Hz - 48Gbps - UHD - HDR Cable - CMP Plenum Rated

HDMI-250-xxPL- Specifications

Description

This active optical cable (AOC) consists of a HDMI male connector on both ends. The cable is also plenum rated for use in plenum air spaces for industrial applications. The cable has a built-in signal booster chipset which allows it to maintain a HDMI 2.1b signal over a thin cable at longer lengths with no signal loss. It is typically used to connect a HDMI source such as Blu-Ray players and PC's to a HDTV or monitor and supports full 8K Ultra HD resolution and High Dynamic Range (HDR). The AOC cable also works with splitters, switches and other video sharing devices.

Physical Characteristics

Color	Black
Connector Plating	Gold
Shell Material	Zinc-Alloy
Cable Specs	Hybrid with OM3 Fiber / Copper
Cable Diameter	4.5mm
Shielding	75% Braid + 100% Aluminum-Mylar Foil
Jacket Fire Rating	Plenum Rated CMP
Jacket Material	PVC
Strain Relief	Molded PVC
Bend Radius	45mm
Differential Input	100 ohm
Power Consumption	250mW (Max)

Connectors

Connector A	HDMI A (19 pin) Male
Connector B	HDMI A (19 pin) Male

Approvals

c(UL)us, CE, FCC	Yes
CPR, ATC	Yes

Warranty Information

Warranty	3-Years Warranty
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Performance

Maximum Resolution	Ultra HD 8K (50/60Hz) up to 30m, 4K (50/60/100/120Hz), 1080p Deep Color, 1080i, 720p,
Maximum Bandwidth	480p 12 Gbps x 4 Channel
Video	HDR, Deep Color (48-bit) and 3D Compatible
Audio	Supports eARC
O/E Converter	4 channel 850 nm VCSEL array (Transmitter) 4 channel GaAs PD array (Receiver)
Support	EDID (Self-Detecting) VBR (Variable Refresh Rate) QMS (Quick Media Switching) QFT (Quick Frame Transport) ALLM (Auto Low Latency Mode) DSC (Display Stream Compression) CEC (Consumer Electronics Control)
Built in Ethernet Channel	Yes
HDCP 2.2 Compliant	Yes
HDMI Version	HDMI 2.1b, Backward Compatible with HDMI 2.0/1.4

Environmental

RoHS	Yes
Reach	Yes
Conflict Minerals	

Packaging Information

Package Quantity **Cable**

Weights

75ft	100ft
1.37 lbs	2.25 lbs