



Pro AV/IT Integrator Series™ Ultra High Speed 8K AOC Plenum HDMI Cables with ProGrip™ up to 100ft

Comprehensive's Pro AV/IT Integrator Series™ Active Optical Plenum HDMI Cables offer best-in-class resolution and a low-smoke, fire-retardant plenum jacket.

Comprehensive's Pro AV/IT Integrator Series™ Active Optical Plenum HDMI Cables feature full Ultra HD, 48G 8K@60 4:4:4* End to End resolution. They enable ultra-high-speed, plug-and-play HDMI 8K/10K signal transmission up to 100ft. Perfect A/V distribution for conference rooms, classrooms, digital signage or other commercial applications. Comprehensive Active Optical Plenum HDMI Cables use active components in the connectors to perform electrical-to-optical signal conversion, drawing power from the HDMI port. Each Active Optical Plenum HDMI Cable is thin, light, flexible, and plenum rated to make it easy to pull through conduit.

Pro AV/IT Active Optical Plenum HDMI Cables send video using light pulses, which provide higher immunity to EMI/RFI interference and electromagnetic noise. HDR, EDID, CEC, HDCP, RoHS compliant and are backed by Comprehensive's Worry-Free Lifetime Warranty.



Important notes:

- These are Active Fiber Optic Cables which contain an active chip to process and distribute the signal. In some cases, there can be performance or compatibility challenges with certain laptops, PC's or other sources depending on a variety of system conditions. Please call our support department if you experience any of these types of issues.
- This cable features a unidirectional design which requires the cable to be installed in the correct direction. The HDMI connectors are labeled "Source" and "Display" to ensure that the device and HDMI source are properly connected.
- Being a Fiber Optic Cable, it must be handled with more care than a copper cable during installation as extreme force and/or excessive or sharp bends could potentially damage or break the cable inside.
- External Power Option Included : In case if needs additional power, a USB power cable is included to provide external power option.
- Optional HDMI Power adapter Included: In the event the active Optical Plenum HDMI Cable needs additional power; an HDMI/USB power adapter cable is included to provide external power to support some HDMI AV equipment that does not supply the sufficient 5V to the active chipset inside the Fiber Optic Cable. Please note the Power adapter cable should be placed at the Source end.

Features

- Ultra-High Speed 8K@60 (7680 × 4320) 4:4:4 Deep Color Sampling as well as 8K100/120, 10K50/60 and up to 10K/100/120*
- Backwards compatible support for 4K@60 (4:4:4)
- Supports maximum 48Gbps High Speed (End to End)
- Ultra-Flexible, low profile connector head which is perfect for tight spaces
- Exclusive ProGrip™ connector utilizes up to 10lbs of retention force to help keep connector in place
- Exclusive SureLength™ indicators on the connector heads make it easy to organize for installations
- Supports Deep Color and x.v.Color
- Supports High Dynamic Range (HDR10)
- Ethernet (HEC) enabled
- Simultaneous delivery of dual video streams to multiple users on the same screen
- eARC support for Dolby Atmos and DTS-X 5.1/7.1 Lossless Dolby TrueHD and DTS-HD Surround Sound up to 50ft
- Supports CEC Extension commands and functions, HDMI Ethernet channel, and ARC features up to 32 audio channels (LPCM) and 21:9 aspect ratio
- Multi-Stream Audio (up to 4)
- Enhanced gaming features: Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM) and Quick Frame Transport (QFT).
- Molded 24k Gold Plated HDMI male connectors on each end
- Plenum Rated (CMP) Cable Jacket which is suitable for commercial installations.
- RoHS Certified and UL Rated
- Prop 65 Compliant
- Lifetime Warranty

HD48G-35PROPAF	35ft
HD48G-50PROPAF	50ft
HD48G-75PROPAF	75ft
HD48G-100PROPAF	100ft





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Specifications

Performance & Resolution

3D Ready: Yes
Audio Formats Supported: Dolby® True HD, DTS-HD Master Audio and up to 32 audio channels
Audio Return Channel: eARC supports 25ft, 35ft & 50ft
Chroma Sampling: Up to 4:4:4
Color Bit Depth: Supports 8 bit, 10 bit, 12 bit & 16 bit
Data Speed: 48 Gbps Max
Ethernet Capability: Yes
HDCP Compliant: Yes
CEC Compliant: Yes
HDMI ATC Certified: No
Max Distance: Up to 100ft
Resolution and Refresh Rate: 4K50/60, 4K100/120, 5K50/60, 5K100/120, 8K50/60*, 8K100/120*, 10K50/60*, 10K100/120*
*Requires VESA DSC (Display Stream Compression) 1.2a enabled device
Performance Grade: Commercial Grade
Signal Technology Version: HDMI 2.1

Physical Characteristics

Bend Radius: 1.98"
Cable Outer Diameter (OD): 5.3 mm
Conductors: Bare copper + Fiber
Color: Jet Black
Connector Finish: 24k Gold Plated
Dimensions (W x H x D): Connector : 0.8" W; 1.48" H; 0.42" D
Directional: Yes
Gauge (AWG): Copper : 24 gauge
Fiber: OM3
Jacket Type: Plenum rated PVC
Packaging: Anti-Static foil bag
Shielding: Triple Shielded, Inner 100% Aluminum Mylar Wrap, Outer 100% Aluminum Mylar Wrap, 85% Tinned Copper Braid

Connections

Connector Side 1: HDMI Male 19 Pin Type A
Connector Side 2: HDMI Male 19 Pin Type A

Environmental

Temperature Rating: 70 deg C

Power & Electrical

DC Resistance: <80mΩ/M
Insulation Resistance: 10MΩ, 300V
Nominal Attenuation: < 3db/km
Skew: Intra-pair skew <=112ps, inter-pair skew <=1.78ns
Voltage: <=500mW

Regulatory

ATC Certification: No
CE: No
CL Rated: CMP
Prop 65 Compliant: No
Rohs Compliant: Yes
UL Rated: Yes

Weight (Shipping)

35ft : 1.35 lbs
50ft : 2.56 lbs
75ft : 3.10 lbs
100ft : 3.45 lbs

Warranty

Worry-Free Lifetime

HD48G-35PROPAF	35ft
HD48G-50PROPAF	50ft
HD48G-75PROPAF	75ft
HD48G-100PROPAF	100ft