

## DL-HDM-M Technical Specifications

HDMI Maximum Performance AOC Hybrid Cable

Rev. 160511

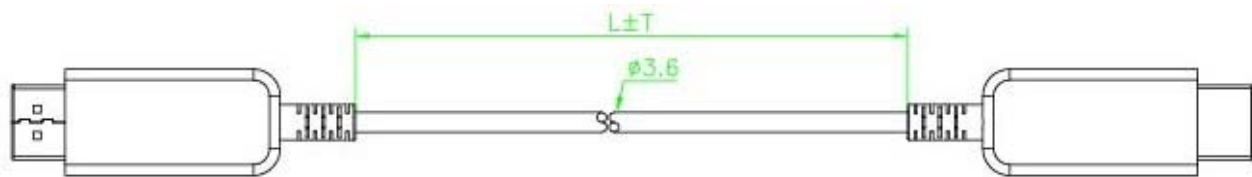
Liberty's DL-HDM-M Series are Active Optical Cables (AOC) featuring a unique hybrid construction and construction the industry has been waiting for. The cable strain relief is anchored into the connector housings to prevent inadvertent damage so common in other AOC cables. The DL-HDM-M series is the most efficient HDMI AOC design, featuring full 18G data rates, this cable will support 4K@60Hz 4:4:4 Chroma Sampling and High Dynamic Range applications.

### Key Features:

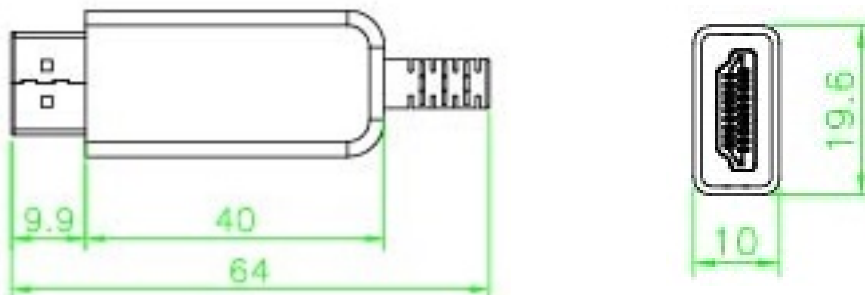
- True 18G Fiber Optic Performance
- No external power required
- Designed for Pulling
- UL/CSA listed for in-wall use
- Convenient cable lengths

The DL-HDM-M series is robustly constructed to withstand installation and pulling strength. Featuring four fibers and seven copper wires in its unique hybrid construction and using standard fiber Kevlar® strength members, it is built to pull and keep on working. This cable supports all HDMI features except Ethernet. It supports the Audio Return Channel (ARC).

This cable is available in lengths up to 100 meters, or 328 feet. The cable utilizes the power available on pin 18 of the HDMI receptacles from the attached source and sink devices. It is important to ensure adequate power is available. Use of passive patching solutions should be tested prior to pulling cables. These HDMI maximum cables feature UL ratings on the bulk cable for CMR-OF and Canadian CMG FT4, this is permissible for concealed installations per the requirements of the National Electric Code®. The product is Compliant to the requirements of the EU RoHS-2 2011/65/EU standard.



Cable Head dimensions



Technical Specifications	
<b>I/O Connections</b>	
HDMI	Male HDMI Type A connector
<b>HDMI Supported Video, Audio and Ethernet</b>	
HDMI Maximum Video Compatibility	4K@60Hz 4:4:4 up to 100m, HDR Support
Video Compliance	HDMI, HDCP, and CEC (Consumer Electronics Control)
Embedded Audio	Up to 32 Audio Channels and up to 1536 KHz Audio Sampling
Minimum Bandwidth	18.0 Gbps
Ethernet	Not supported
<b>Cable Construction</b>	
HDMI Connector Features	HDMI "A" Male
HDMI Hood Construction	Metal Shell for extreme durability and proper cable strain relief
HDMI Molded Hood Dimensions	19.6x40x10.0mm with a 14mm strain relief
Jacket Material	Flexible Flame rated PVC with a black finish
Cable Construction	4 Multimode OM2 equivalent fibers with 7 copper conductors
Overall Cable Size	0.142"   3.6mm
Minimum Bend Radius	1.42"   36mm
Maximum Tensile Load	100Lbs   45Kg
Available Cable Lengths	8, 10, 15, 23, 30, 50, 60, and 100 meters
<b>Environmental Requirements</b>	
Operating Temperature	0° to +60° C (+32° to +140° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-20° to +80° C (0° to +176° F)
<b>Power and Regulatory</b>	
Regulatory	NEC CMR-OF, CEC CMG FT4, EU RoHS-2 2011/65/EU Compliant

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