

## D2-HDSEM-M Technical Specifications 1.0 to 3.0 meters

### Commercial Grade High Retention HDMI Cable Assembly

Rev. 140915

Liberty's D2-HDSEM-M High Speed HDMI® with Ethernet cable assemblies are designed with consideration to the custom installation market. A high quality, heavily shielded digital transport cable mated with approved patented high retention HDMI connector's that delivers excellent performance. The cable is third party ATC verified to the highest HDMI cable standard, High Speed HDMI® with Ethernet.

#### Key Features:

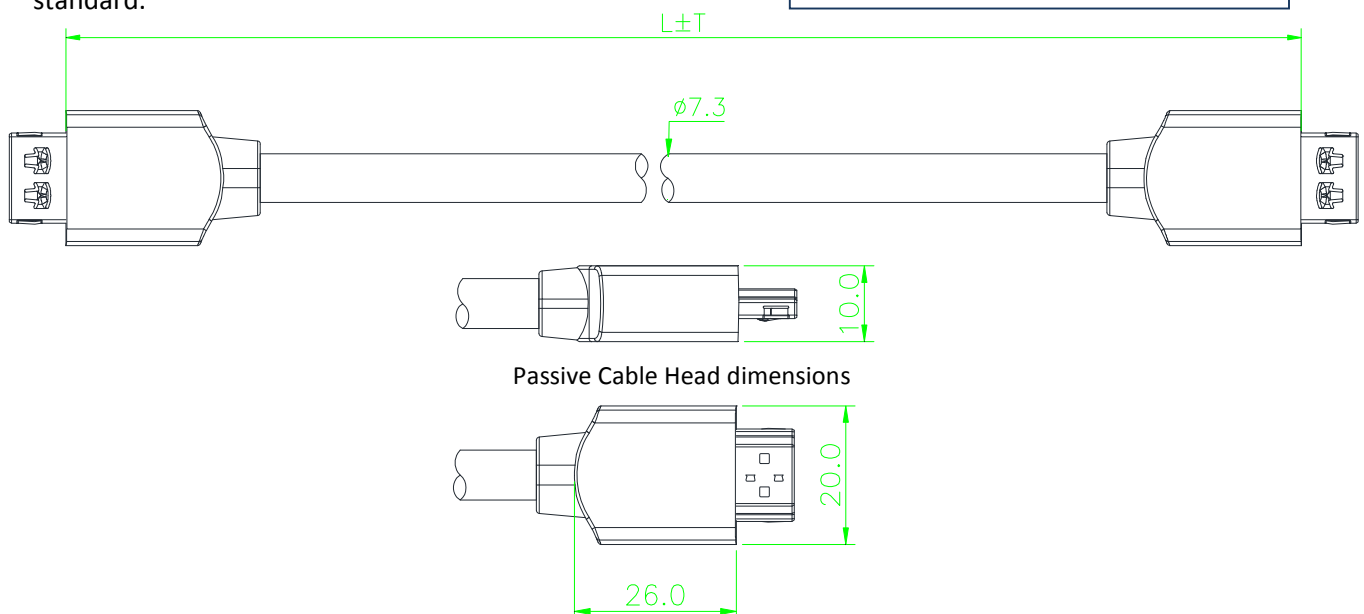
- High speed HDMI with Ethernet
- Low profile 26mm head depth
- High retention HDMI plugs
- UL/CSA listed for in-wall use
- Convenient cable lengths

The D2 series is robustly constructed with 28 AWG tinned annealed copper conductors on the TMDS pairs. The overall cable is dual shielded with a full coverage foil shield and an 85% coverage braided shield. Unlike many cables on the market, the connectors feature full shielding over the solder joints instead of drain wire under a pre-mold. These cables are fully shielded from connector shroud to connector shroud. All contact surfaces are gold plated for conductivity, durability, and resistance to tarnish. The high retention connectors increase the standard HDMI holding force by a factor of 3, up to 12 lbs. The jacketing is non-glossy extra flexible PVC for more flexibility in bending and routing in Residential and light commercial applications.

Lengths from 1.0 to 3.0 meters are passive cables. There are No equalization chipsets and directional requirements on These lengths. These residential grade HDMI cables feature UL ratings on the bulk cable for CL2 and Canadian 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.

#### Key Applications:

- Residential Audio/Video
- Commercial Audio/Video
- Concealed (in-wall) installs
- Fixed installations



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	4Kx2K @ 60Hz up to 2m, 4Kx2K @ 30Hz to 3m
Video Compliance	HDMI, HDCP, and CEC (Consumer Electronics Control)
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Maximum Bandwidth	18.0 Gbps (1-2 meters), 10.2Gbps @ 3 meters
Ethernet	100 Mbps
<b>Cable Construction</b>	
HDMI Connector Features	HDMI "A" Male with up to 12 lbs high retention feature, gold plated
HDMI Molded Hood Construction	Copper Foil Shielded Pre-mold with PVC over mold. Over mold is black with blue tear drop lateral highlights.
HDMI Molded Hood Dimensions	20.0x26x10.0mm
Jacket Material	Extra flexible Flame rated PVC with a matte black finish
Cable Construction	28 AWG Tinned Copper TMD5 pairs
Overall Cable Size	0.287"   7.3mm
Minimum Bend Radius	2.87"   73mm
Maximum Tensile Load	44Lbs   20Kg
Available Cable Lengths	1.0, 2.0, and 3.0 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 CL2, CEC FT4, EU RoHS-2 2011/65/EU Compliant

Liberty Wire & Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire & Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.

National Electric Code® is a registered trademark of the National Fire Protection Agency (NFPA)

NEC® is a registered trademark of the National Fire Protection Agency (NFPA)

HDMI® is a registered trademark of HDMI, LLC

High Definition Multimedia Interface® is a registered trademark of HDMI, LLC