

M2-HDSEM-M Technical Specifications

Low Profile HDMI® Patch Cable Solutions

Rev. 150330

The M2-HDSEM-M cable assembly is a very low profile shallow depth interconnect primarily designed for rack patching and back of device fit and cable routing. The connector features a high retention design to hold the cable in place at three times the current HDMI specification of 4 pounds. All connectivity contact points are fully gold plated for durability and tarnish resistance.

The bulk cable is 6.0mm diameter featuring 30 AWG conductors on the TMDS pairs. This permits higher bandwidth options than the ultra-small Micro cables currently available. Unlike the Micro cables, this product remains passive on all lengths with no introduced chipsets. These cables are also not directional. Lengths up to 4 feet will support the HDMI 2.0 18 Gbps data rates required for 4K@60Hz. Lengths up to 8 feet fulfill the 10.2 Gbps High Speed HDMI® With Ethernet requirement. Lengths above 8 feet are warranted to deliver 5.0 Gbps, fully supporting 1080p60 and 24 frame 3D.

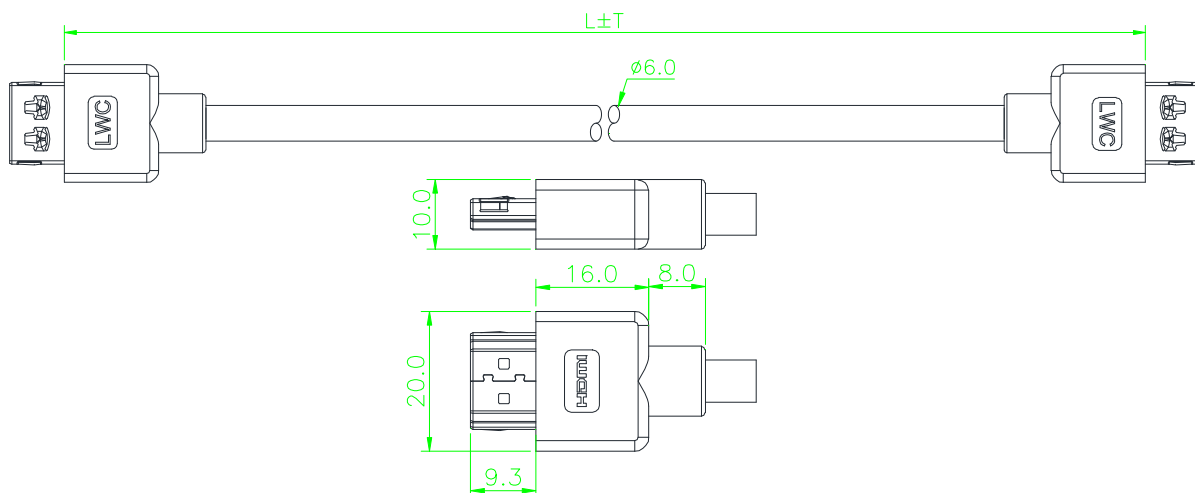
The M2 series is designed for non-concealed installations, these cables are not to be installed in wall. Per the NEC® they can be run in conduit. These products feature a UL listed bulk cable with an AWM rating for fire safety. The cable has passed the VW-1 flame test.

Key Features:

- Very low profile molded head size
- High retention connectors
- High speed HDMI® with Ethernet
- Very short length options
- Extra flexible cable
- AWM rated for safety

Key Applications:

- Rack Patching
- Intra device internal cabling
- Short device to device hookups
- Installations with movement



Technical Specifications	
I/O Connections	
HDMI	Male HDMI Type A connector
HDMI Supported Video, Audio and Ethernet	
HDMI Maximum Video Compatibility	4Kx2K @ 60Hz up to 4 feet, 4Kx2K @ 30Hz to 8 feet, 1080p60 up to 15 feet
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 from 1~4 feet, 10.2Gbps up to 8 feet, 5.0 Gbps up to 15 feet
Ethernet	100 Mbps
Cable Construction	
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 in color.
HDMI Molded Hood Dimensions	20.0x16x10.0mm with an 8mm strain relief
Jacket Material	Flame rated PVC with a black finish
Cable Construction	30 AWG Tinned Copper TMDS pairs
Overall Cable Size	0.236" 6.0mm
Minimum Bend Radius	2.36" 60mm
Maximum Tensile Load	44Lbs 20Kg
Available Cable Lengths	1, 2, 3, 4, 5, 6, 8, 10, 12, and 15 feet
Environmental Requirements	
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)
Power and Regulatory	
Regulatory	UL AWM 20276, CSA CMH FT1, VW-1, EU RoHS-2 2011/65/EU Compliant

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