

## Specifications

### HDMI M-M Pro Cables

#### TRUE 4K specification

Max. 4K Capabilities								
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color	Data Rate	Cable Length				
4096 x 2160 at 60 Hz	4:4:4	8 bit	18.0 Gbps	Up to 25 feet (7.6 m)				
3840 x 2160 at 60 Hz								
4096 x 2160 at 30 Hz	4:4:4		8 bit	10.2 Gbps	Up to 35 feet (10.6 m) Up to 50 feet (15.2 m) with a cable equalizer			
3840 x 2160 at 30 Hz								
4096 x 2160 at 60 Hz	4:2:0					8 bit	10.2 Gbps	Up to 35 feet (10.6 m) Up to 50 feet (15.2 m) with a cable equalizer
3840 x 2160 at 60 Hz								

Frame rate<sup>1</sup> ..... 24, 25, 30, 50, or 60 fps  
 Chroma sampling<sup>1</sup> ..... 4:4:4, 4:2:2, or 4:2:0  
 Color bit depth<sup>1</sup> ..... 8 bits per color  
 Signal type ..... HDMI 2.0  
 Max. video data rate ..... 18.0 Gbps (6.0 Gbps per color)

**NOTE:** <sup>1</sup>Subject to the maximum data rate limit. Use our calculator at [www.extron.com/8KdataRate](http://www.extron.com/8KdataRate) to determine video parameters supported by this data rate.

#### Performance/electrical

##### Resolution range

Premium High Speed HDMI cable — Up to 25' (7.6 m) ..... Up to 4K @ 60 Hz (4096x2160) or UHD @ 60 Hz (3840x2160)  
 8 bit color depth, max. 18.0 Gbps data rate

High Speed HDMI cable — Up to 50' (15.2 m) ..... Up to 4K @ 30 Hz (4096x2160) or UHD @ 30 Hz (3840x2160)  
 8 bit color depth, max. 10.2 Gbps data rate

**NOTE:** A cable equalizer is recommended for 1080p @ 60 Hz resolutions beyond 75' (22.8 m).

Voltage ..... 30 V  
 Pair impedance ..... 100 ohms ±10 ohms  
 Attenuation ..... At 0.3 - 0.825 GHz: ≤5 dB per 6 m  
 At 0.825 - 2.475 GHz: ≤12 dB per 6 m  
 At 2.475 - 4.125 GHz: ≤20 dB per 6 m  
 At 4.125 - 5.100 GHz: ≤25 dB per 6 m  
 FEXT ..... ≥20 dB per 6 m

# Specifications • HDMI M-M Pro Cables (Continued)

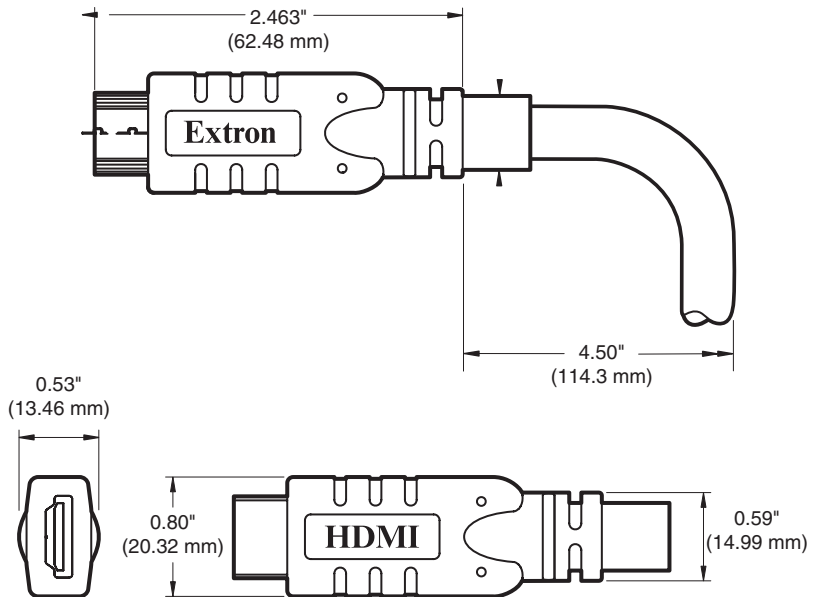
Skew

25' (7.6 m) and longer	
Intrapair .....	≤112 ps per 8 m
Interpair .....	≤1.78 ns per 8 m

## General – physical characteristics

Connector type.....	1 male type A HDMI to 1 male type A HDMI
Contacts.....	Gold plated
Material	
25' (7.6 m) and longer .....	Conductors: tinned copper Drain wire: tinned copper Shielding: aluminum/Mylar® and tinned copper braid Jacket: PVC
Conductor gauge	
25' (7.6 m) and longer .....	Conductors and drain wire: 22 AWG
Connector dimensions .....	2.46" L* x 0.80" W x 0.60" thick (62.5 mm L* x 20.3 mm W x 15.0 mm thick) *Length includes plug.
25' (7.6 m) and longer	
Cable outer diameter .....	0.47" (12.0 mm)
Bend radius .....	4.50" (114.3 mm)

### HDMI-M-M Pro 25' (7.6 m) - 200' (61.0 m) Lengths



**NOTE:** Dimensions given above exclude the cable length.

Regulatory compliance .....	Cable: UL Listed as type CM, CSA FT-1
Temperature rating.....	Minimum: -25 °C Maximum: 75 °C
Warranty .....	Limited Lifetime Performance

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**NOTE:** Specifications are subject to change without notice.

**NOTE:** Shipping weights and dimensions are available at [www.extron.com](http://www.extron.com).

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