



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 rate¹ 24, 25, 30, 50, or 60 fps
 Chroma sampling¹ 4:4:4, 4:2:2, or 4:2:0
 Color bit depth¹ 8 bits per color
 Signal type HDMI 2.0
 Max. video data rate 18.0 Gbps (6.0 Gbps per color)

NOTE: ¹Subject to the maximum data rate limit. Use our calculator at www.extron.com/4KdataRate 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

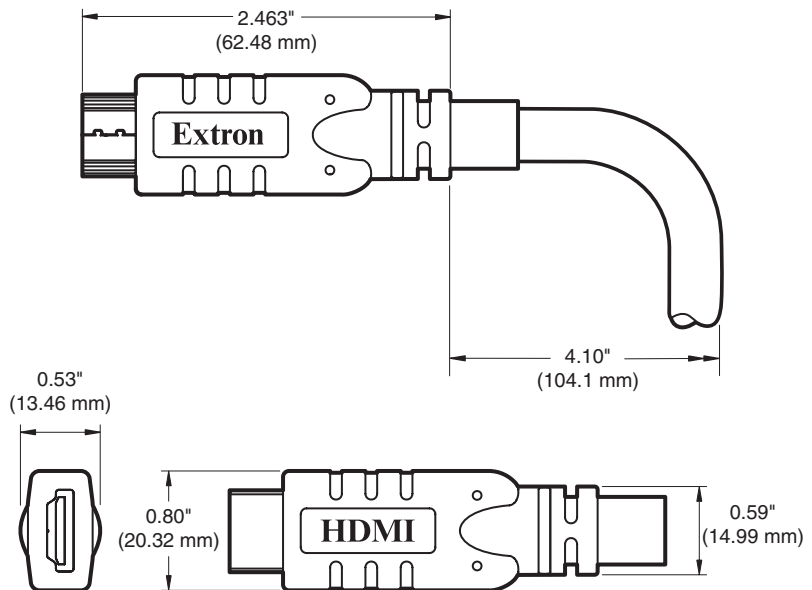
Specification • HDMI M-M Pro Cables (Continued)

Skew	
12' (3.6 m) and shorter	
Intrapair	≤112 ps per 6 m
Interpair	≤1.78 ns per 6 m
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	
12' (3.6 m) and shorter	Conductors: silver coated, tinned copper Drain wire: tinned copper Shielding: aluminum/Mylar® and tinned copper braid Jacket: PVC
25' (7.6 m) and longer	Conductors: tinned copper Drain wire: tinned copper Shielding: aluminum/Mylar® and tinned copper braid Jacket: PVC
Conductor gauge	
12' (3.6 m) and shorter	Conductors and drain wire: 24 AWG
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.
12' (3.6 m) and shorter	
Cable outer diameter	0.39" (10.0 mm)
Bend radius	4.10" (104.1 mm)

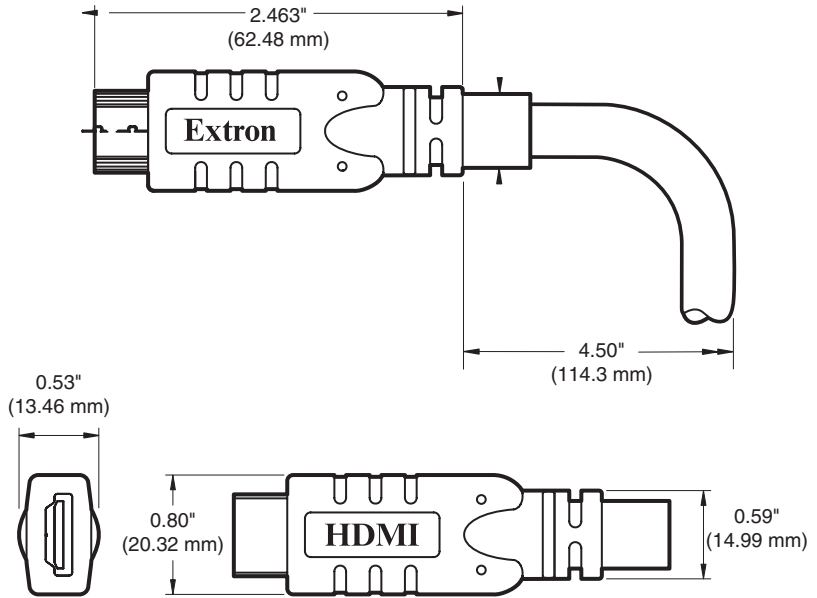
HDMI-M-M Pro 3' (90 cm), 6' (1.8 m), and 12' (3.6 m) Lengths



Specification • HDMI M-M Pro Cables (Continued)

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

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

4113-D10

Extron Headquarters +800.633.9876 Inside USA/Canada Only	Extron Europe +800.3987.6673 Inside Europe Only	Extron Asia +65.6383.4400 +65.6383.4664 FAX	Extron Japan +81.3.3511.7655 +81.3.3511.7656 FAX	Extron China +86.21.3760.1568 +86.21.3760.1566 FAX	Extron Middle East +971.4.299.1800 +971.4.299.1880 FAX	Extron Australia +61.8.8113.6800 +61.8.8351.2511 FAX	Extron India 1800.3070.3777 (Inside India Only) +91.80.3055.3777 +91.80.3055.3737 FAX
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