

Specifications

HDMI Ultra Series 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 15 feet (4.5 m)
3840 x 2160 at 60 Hz				
4096 x 2160 at 30 Hz	4:4:4			
3840 x 2160 at 30 Hz				
4096 x 2160 at 60 Hz	4:2:0			
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/8KdataRate to determine video parameters supported by this data rate.

Performance/electrical

Resolution range
 Premium High Speed HDMI
 cable — Up to 15' (4.5 m) Up to 4K @ 60 Hz (4096x2160), UHD @ 60 Hz (3840x2160)
 8 bit color depth, max. 18.0 Gbps data rate

Voltage 30 V

Pair impedance 100 ohms ±10 ohms

Attenuation At 0.3 - 0.825 GHz: ≤5 dB per 3 m
 At 0.825 - 2.475 GHz: ≤12 dB per 3 m
 At 2.475 - 4.125 GHz: ≤20 dB per 3 m
 At 4.125 - 5.100 GHz: ≤25 dB per 3 m

FEXT ≥20 dB per 3 m

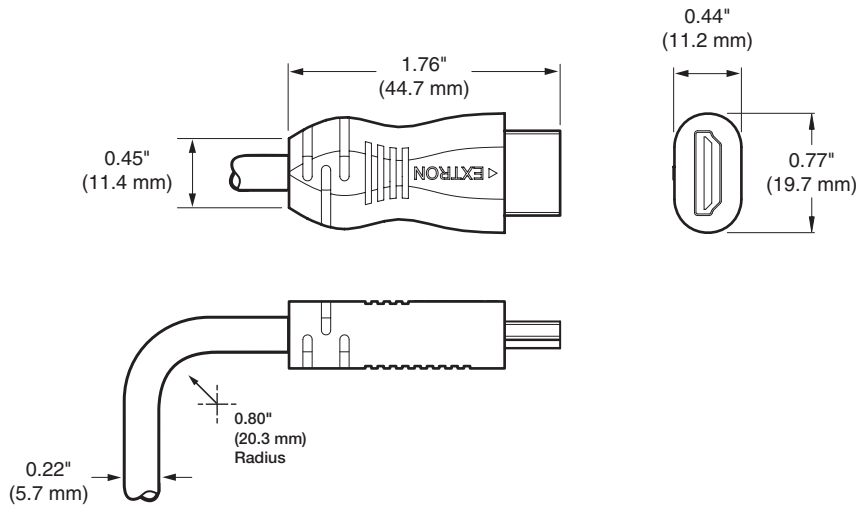
Skew
 Intrapair ≤112 ps per 3 m
 Interpair ≤1.78 ns per 3 m

Specifications • HDMI Ultra Series Cables (Continued)

General – physical characteristics

Connector type.....	1 male type A HDMI to 1 male type A HDMI
Contacts.....	Gold plated
Material.....	Conductors: tinned copper, 28 AWG Drain wire: tinned copper, 28 AWG Shielding: fluorocopolymer tape binder, tinned copper braid Jacket: PVC
Connector dimensions.....	1.40" L* x 0.77" W x 0.44" thick (35.6 mm L* x 19.7 mm W x 11.1 mm thick) *Length excludes plug.

HDMI Ultra Series 3' (90 cm) - 15' (4.5 m) Lengths



Cable dimensions

Cable outer diameter.....	0.22" (5.7 mm)
Bend radius.....	0.80" (20.3 mm)

NOTE: Dimensions given above exclude the cable length.

Regulatory compliance.....	UL VW-1, CMX, CSA FT-1
Temperature rating.....	80 °C
Product warranty.....	Limited Lifetime Performance

NOTE: Specifications are subject to change without notice.

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

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