

HD Pro Plenum Series

HDMI PREMIUM HIGH SPEED OPTICAL CABLES - PLENUM



18 Gbps
4K/60 4:4:4

Extron HD Pro Plenum Series active, hybrid optical-copper cables provide high-speed transmission of HDMI digital video and audio signals. These ultra-thin cables, which conform to Premium High Speed HDMI Cable performance standards, support data rates up to 18 Gbps, and video resolutions up to 4K/60 @ 4:4:4. They are powered by the connected HDMI source device, streamlining integration. Offering the optimal combination of price and performance, the HD Pro Plenum Series cables are ideal for sending high data rate HDMI signals over long cable runs while maintaining full signal integrity and providing reliable operation to support mission-critical applications.

- ▶ Conforms to Premium High Speed HDMI Cable performance standards
- ▶ Supports data rates up to 18 Gbps, video resolutions up to 4K/60 @ 4:4:4, and HDR
- ▶ PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio support
- ▶ Supports EDID, HDCP, and CEC
- ▶ 4K/60 verified
- ▶ Flexible, ultra-thin 0.16" (4 mm) diameter cable
- ▶ NEC CMP-rated plenum cable
- ▶ Highly resistant to EMI/RFI interference
- ▶ Gold-plated contacts
- ▶ No external power is needed
- ▶ Color-coded ends
- ▶ Available in lengths from 25 feet to 300 feet (7.6 meters to 91.4 meters)

Extron

DESCRIPTION

The Extron **HD Pro Plenum Series** are active, hybrid optical-copper cables for high-speed transmission of HDMI digital video and audio signals. These cables conform to Premium High Speed HDMI Cable performance standards and support data rates up to 18 Gbps, video resolutions up to 4K/60 @ 4:4:4, HDR, EDID, HDCP, and CEC. All HDMI audio formats are supported, including PCM 8-channel, Dolby Digital True HD, and DTS-HD Master Audio. Ultra-thin 0.16" (4 mm) diameter, narrow bend radius cable construction provides ease of installation in tight spaces, including plenum air spaces, without compromising performance. The active cables are unidirectional and draw ultra-low power from the connected HDMI source device. The HD Pro Plenum cables are available in lengths from 25 feet to 300 feet (7.6 meters to 91.4 meters).

The HD Pro Plenum Series offers the benefits of fiber optics with the simplicity of traditional copper cables. Offering the optimal combination of price and performance, this cabling solution is ideal for sending high data rate HDMI signals over long cable runs while maintaining full signal integrity and providing reliable operation to support mission-critical applications. The HD Pro Plenum Series uses glass multimode optical fiber to transmit full 4K/60, HDR, and multi-channel audio high-speed signals. Built-in active circuitry converts the incoming electrical signal into an optical signal on one end, and back into an electrical signal on the other end. This circuitry requires ultra-low power, and is powered by the connected HDMI source device. All other non-bandwidth intensive or low-speed signals are carried on the integrated copper wires, including EDID, HDCP, CEC, and 5V power.

All HD Pro Plenum Series cables are unidirectional. For easy identification and cable orientation, a blue-colored ring encircles the source connector neck and connector ends are molded with descriptive text to indicate source and sink directionality.



SPECIFICATIONS

TRUE 4K SPECIFICATION

Max 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz 4096 x 2160 at 30 Hz 3840 x 2160 at 30 Hz	4:4:4	8 bit
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz	4:2:0	12 bit
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, 10, or 12 bits per color	
Signal type	HDMI 2.0b, HDCP 2.2	
Max. video data rate	18.0 Gbps (6.0 Gbps per color)	
NOTE: ¹ Subject to the maximum data rate limit. Use our calculator at www.extron.com/4Kdata to determine video parameters supported by this data rate.		

PERFORMANCE/ELECTRICAL

Resolution range	Up to 4K (4096x2160) @ 60 Hz, UHD (3840x2160) @ 60 Hz 8-bit color depth, max. 18.0 Gbps data rate
Voltage	30 V
Power consumption	250 mW

MECHANICAL

Max Tensile strength	100 N (10.2 kg, 22.5 lbs)
Max. compression load resistance	200 N (20.4 kg, 45 lbs)
Cable outer diameter	0.16" (4 mm)
Bend radius	0.79" (20 mm)

GENERAL — PHYSICAL CHARACTERISTICS

Connector type	1 male type A HDMI to 1 male type A HDMI
Contacts	Gold plated
Material	Conductors: Multi-Mode fiber and 28 AWG tinned copper Jacket: PVC
Connector dimensions	2.40" L x 0.84" W x 0.49" thick (61.0 mm L x 21.3 mm W x 12.4 mm thick)
Operating temperature rating	Minimum: 0 °C Maximum: 50 °C
Humidity	85 °C and 85% Relative Humidity, Non-Condensing
Regulatory compliance	CE, UL-CMP
Warranty	Limited Lifetime Performance

Model	Version Description	Part number
HD Pro P/25	25' (7.6 m)	26-726-25
HD Pro P/35	35' (10.6 m)	26-726-35
HD Pro P/50	50' (15.2 m)	26-726-50
HD Pro P/75	75' (22.8 m)	26-726-75
HD Pro P/100	100' (30.4 m)	26-726-100
HD Pro P/125	125' (38 m)	26-726-125
HD Pro P/150	150' (45.7 m)	26-726-150
HD Pro P/175	175' (53.2 m)	26-726-175
HD Pro P/200	200' (60.9 m)	26-726-200
HD Pro P/250	250' (76.2 m)	26-726-250
HD Pro P/300	300' (91.4 m)	26-726-300

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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