HD Pro Plenum Series

HDMI PREMIUM HIGH SPEED OPTICAL CABLES - PLENUM



Extron HD Pro Plenum Series active, hybrid opticalcopper 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 and labeled ends
- Available in lengths from 25 feet to 300 feet (7.6 meters to 91.4 meters)

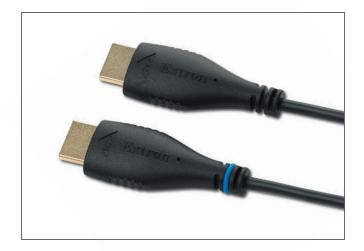
Extron

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

Capabilities	Max Bit Depth per Color			
oma Sampling	Max Bit Depth per Color			
1.1.1	8 bit			
4.4.4	12 bit			
4:2:0	12 Dil			
Frame rate ¹ 24, 25, 30, 50, or 60 fps				
4:4:4, 4:2:2, or 4:2:0				
8, 10, or 12 bits per color				
HDMI 2.0b, HDCP 2.2				
18.0 Gbps (6.0 Gbps per color)				
NOTE: ¹ Subject to the maximum data rate limit. Use our calculator at www.extron.com/4Kdatarate to				
	24, 25, 30, 50, or 60 1:4:4, 4:2:2, or 4:2:0 3, 10, or 12 bits per c 1DMI 2.0b, HDCP 2.2 18.0 Gbps (6.0 Gbps)			

determine video parameters supported by this data rate.

PERFORMANCE/ELECTRICAL				
Resolution range				
HDMI		Up to 4K (4096x2160) @ 60 Hz, UHD (3840x2160) @		
		60 Hz		
		8-bit color depth, max. 18.0 Gbps data ra	ate	
Voltage		30 V		
Power consump	tion	250 mW		
MECHANICA	L			
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		
Uumiditu		Maximum: 50 °C		
Humidity Regulatory compliance		85 °C and 85% Relative Humidity, Non-Condensing CE. UL-CMP		
Warranty		Limited Lifetime Performance		
	Version Description		Deuteumber	
Model HD Pro P/25	Version Description 25' (7.6 m)		Part number 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.

WORLDWIDE SALES OFFICES

Anaheim • Raleigh • Silicon Valley • Dallas • New York • Washington, DC • Toronto • Mexico City • Paris • London Frankfurt • Madrid • Stockholm • Amersfoort • Moscow • Dubai • Johannesburg • Tel Aviv • Sydney • Melbourne Bangalore • Mumbai • New Delhi • Singapore • Seoul • Shanghai • Beijing • Hong Kong • Tokyo

www.extron.com