

**18Gbps 4:4:4 60Hz over Active Optical HDMI Cable  
(10m/33ft | 15m/49ft | 20m/65ft | 30m/98ft)**

**CAB-HAOC-10 | CAB-HAOC-15 | CAB-HAOC-20 | CAB-HAOC-30**



**Specification Sheet**



2160p **4:4:4 60** **4K HDR** **HDMI** **HDCP 2.2** **CEC** **ARC**

*WyreStorm - Because the Technology Matters.*

**Introduction**

The latest addition to WyreStorm's line of AV accessories, the CAB-HAOC is a next generation active optical HDMI cable designed for delivery of full bandwidth next generation 4K UHD content up to 30m/98ft.

Stepping-up from our standard copper HDMI cable as found on our Express line, the CAB-HAOC enables uncompressed transmission of 18 Gigabit HDMI content using the latest optical transmission technology supporting full bandwidth 4K/60Hz at 4:4:4 8-bit and HDR 12-bit at 4:2:2 with HDCP 2.2 ensuring compatibility with the absolute latest 4K UHD content.

A 20mm head width allow cables to be easily fed through conduits, while solid alloy head construction and gold-plated connectors all add up to perfect point-to-point signal extension or connection from a source to WyreStorm 4K UHD matrix switcher or splitter and display device in any environment where copper transmission would be susceptible to electromagnetic or radio frequency interference.

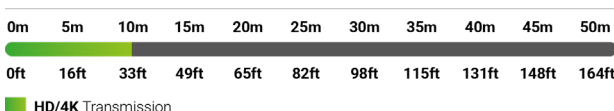
**Key Features**

- Uncompressed transmission of 18Gbps HDMI content using the latest optical transmission technology
- Supports full bandwidth 4K/60 at 4:4:4 8-bit
- Compatible with latest UHD HDR content 4:2:0 60Hz 10-bit
- Perfect for use in environments with excessive EM or RF interference
- 20mm/0.79" head width perfect for feeding through conduit
- Available in 10m/33ft, 15m/49ft, 20m/65ft and 30m/98ft lengths

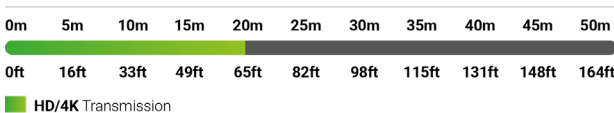
**In the Box**

- 1x CAB-HAOC-10, CAB-HAOC-15, CAB-HAOC-20 or CAB-HAOC-30 Active Optical HDMI Cable
- 2x Reusable Cable Ties
- 1x Quickstart Guide (This Document)

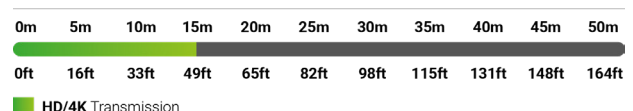
Optical HDMI Cable Performance Guide



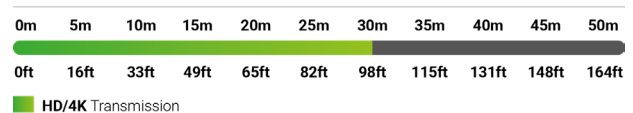
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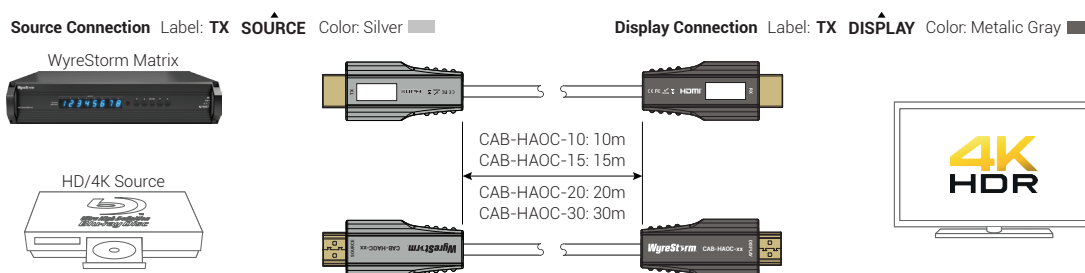
Optical HDMI Cable Performance Guide



# Specifications

Audio and Video					
Inputs	1x HDMI: 19-pin type A Male				
Outputs	1x HDMI: 19-pin type A Male				
Output Video Encoding	AOC				
Encoding Data Rate	18Gbps				
End to End Latency	Zero				
Audio Formats	2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos				
Video Resolution (Max)		CAB-HAOC-10	CAB-HAOC-15	CAB-HAOC-20	CAB-HAOC-30
	1920x1080p @60Hz 16bit				
	3840x2160p @60Hz 10/12bit HDR 4:2:2	10m/33ft	15m/50ft	20m/65ft	30m/98ft
	4096x2160p @60Hz 8bit 4:4:4 4096x2160p @60Hz RGB				
Supported Standards	DCI   RGB   HDR   HDR10   Dolby Vision   HLG   BT.2020   BT.2100				
Maximum Pixel Clock	600MHz				
Communication and Control					
HDMI	TMDS   HDCP   EDID   CEC   ARC   Ethernet				
Ethernet	Supported				
Audio Return Channel (ARC)	Supported				
Installation Restrictions					
Max Bend Radius	6cm				
Max Pull Tension	15kg				
Power					
Power Supply	Passive 5V DC 1A   4.5v~5.5v VCC (From Connected Source)				
Max Power Consumption	250mW				
Environmental					
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)   10% ~ 90%, non-condensing				
Storage Temperature	-4°F to ~ 140°F (-20°C ~ +60°C)   10% ~ 90%, non-condensing				
Maximum BTU	0.85 BTU/hr				
Dimensions and Weight					
Rack Units/Wall Box	NA				
Height	9mm/0.36in				
Width	19.8mm/0.78in				
Depth	39.5mm/1.56in				
Weight	NA				
		CAB-HAOC-10	CAB-HAOC-15	CAB-HAOC-20	CAB-HAOC-30
Cable Length (Connector to Connector)		10m/33ft	15m/50ft	20m/65ft	30m/98ft
Regulatory					
Safety and Emission	CE   FCC   RoHS				

*Right Product for the Right Application.*



Note: Cable is unidirectional. Follow the connector labeling and color coding to ensure proper operation of the cable.