

18Gbps 4:4:4 60Hz over Active Optical HDMI Cable (10m/33ft | 15m/50ft | 20m/65ft | 30m/98ft)

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



Quickstart Guide

! WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.

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

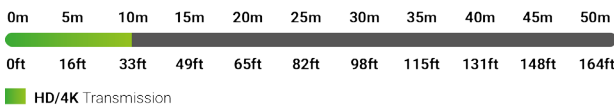
In The Box

- 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)

Cable Distances

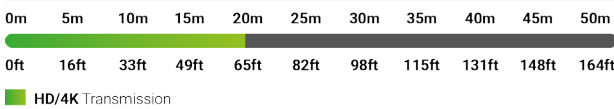
CAB-HAOC-10

Optical HDMI Cable Performance Guide



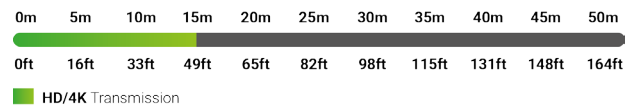
CAB-HAOC-20

Optical HDMI Cable Performance Guide



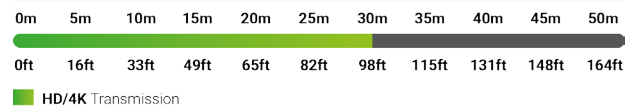
CAB-HAOC-15

Optical HDMI Cable Performance Guide



CAB-HAOC-30

Optical HDMI Cable Performance Guide

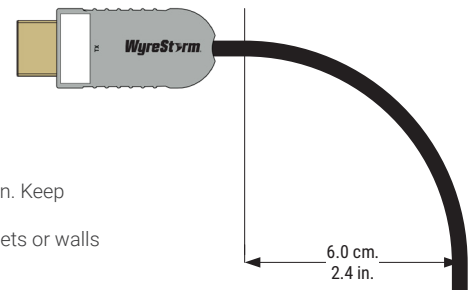


Wiring and Connections

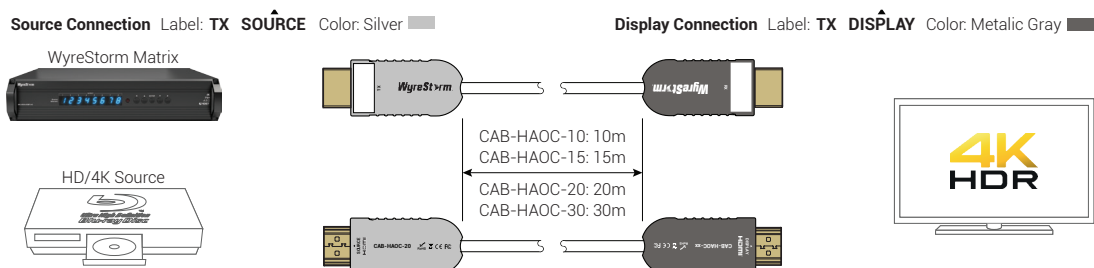
! IMPORTANT! Installation Requirements

The WyreStorm Active Optical cables are designed to transmit HDMI signals from the source to a display.

- Follow the labeling and the diagrams for connection to ensure proper operation.
- Due to the core of the HAOC being fiber optic the cable cannot have a bend radius greater than 6cm/2.4in. Keep this in mind when routing cables around objects and inside of walls.
- The cables have a max pull tension of 15kg/33lbs. Keep this in mind when routing the cable within cabinets or walls to avoid damaging the cable.



Basic Wiring Diagram



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				
		CAB-HAOC-10	CAB-HAOC-15	CAB-HAOC-20	CAB-HAOC-30
Video Resolution (Max)	1920x1080p @60Hz 16bit 3840x2160p @60Hz 10/12bit HDR 4:2:2 4096x2160p @60Hz 8bit 4:4:4 4096x2160p @60Hz RGB	10m/33ft	15m/50ft	20m/65ft	30m/98ft
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				

Warranty Information

WyreStorm Technologies LLC warrants that its products to be free from defects in material and workmanship under normal use for a period of five (5) years from the date of purchase. Refer to the Product Warranty page on wyrestorm.com for more details on our limited product warranty.

