

18Gbps Hybrid Active Optical HDMI Cable with Detachable Head

30m/98ft | 40m/131ft | 50m/164ft



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.



List of Products

CAB-HAOC-30-C	CPR Rated	30m/98ft
CAB-HAOC-30-P	CL2/CL3 Plenum Rated	
CAB-HAOC-40-C	CPR Rated	40m/131ft
CAB-HAOC-40-P	CL2/CL3 Plenum Rated	
CAB-HAOC-50-C	CPR Rated	50m/164ft
CAB-HAOC-50-P	CL2/CL3 Plenum Rated	

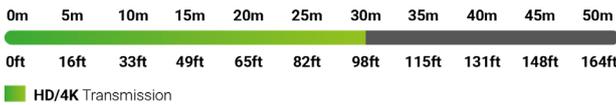
In The Box

- 1x See [List of Products](#)
- 2x Reusable Cable Ties
- 1x Type D-A HDMI Head converter
- 2x Retaining Screws for HDMI head
- 1x Micro USB power cable (back up only)
- 1x Quickstart Guide (This Document)

Cable Distances

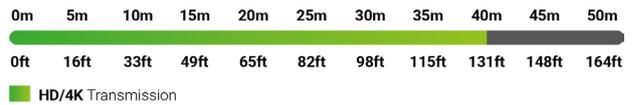
CAB-HAOC-30-x

Optical HDMI Cable Performance Guide



CAB-HAOC-40-x

Optical HDMI Cable Performance Guide

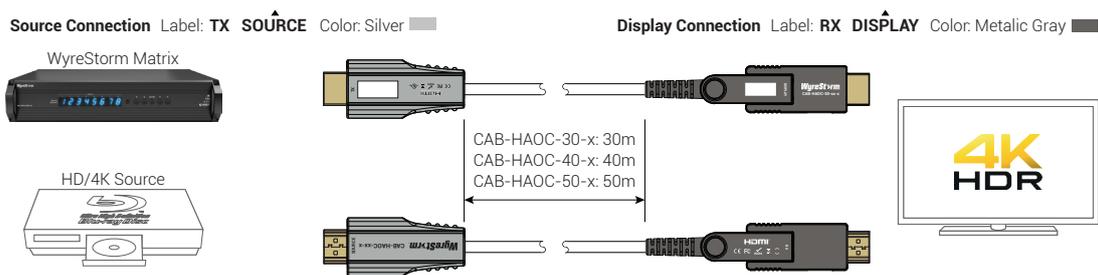


CAB-HAOC-50-x

Optical HDMI Cable Performance Guide



Basic Wiring Diagram

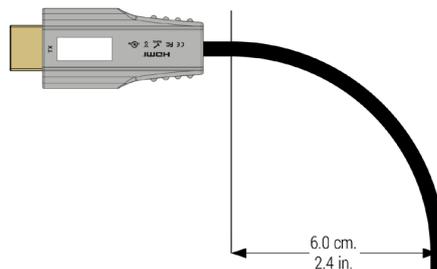


Note: Cable is unidirectional. Follow the connector labeling and color coding to ensure proper operation of the cable.

Wiring and Connections

IMPORTANT! Installation Requirements

- 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 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.



Specifications

Audio and Video				
Inputs	1x HDMI: 19-pin type A Male			
Outputs	1x HDMI: 19-pin type D Male Type D to A Adaptor Included			
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-30-x	CAB-HAOC-40-x	CAB-HAOC-50-x
Video Resolution (Max)	1920x1080p @60Hz 16bit 3840x2160p @60Hz 10/12bit HDR 4:2:2 4096x2160p @60Hz 8bit 4:4:4 4096x2160p @60Hz RGB	30m/98ft	40m/131ft	50m/164ft
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			
Jacket Materials	LSZH Non-PVC C Models only			
Dimensions and Weight				
	TX Source	RX Display		
Rack Units/Wall Box	NA	NA		
Height	9mm/0.36in	9mm/0.36in		
Width	19.8mm/0.78in	20.5mm/0.81in		
Depth	39.5mm/1.56in	63.7mm/2.51in		
Weight	NA	NA		
Cable Length (Connector to Connector)	CAB-HAOC-30-x: 30m/98ft CAB-HAOC-40-x: 40m/131ft CAB-HOAC-50-x: 50m/164ft			
Regulatory				
Safety and Emission	CAB-HAOC-xx-C: CE FCC CPR ROHS CAB-HAOC-xx-P: CE FCC Plenum (CL2 CL3) RoHS			

Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.

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.

