

18Gbps Hybrid Active Optical HDMI Cable with Detachable Head

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



Specification Sheet



2160p 4:4:4 60 4K HDR HDMI HDCP 2.2 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 50m/164ft.

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 detachable head allows 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

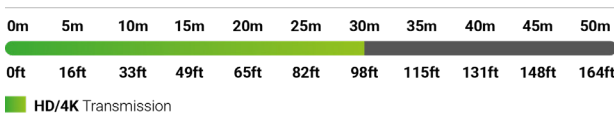
- Uncompressed optical transmission of 18Gbps HDMI content at 4K/60 4:4:4 or HDR at 60Hz
- Compatible with latest HDR standards including HLG, HDR-10+ and Dolby Vision
- Perfect for use in environments with excessive EM or RF interference
- Removable Type-A HDMI head and 14mm/0.55" Type-D HDMI head allows easy installation
- ARC and CEC enabled for true native HDMI communication
- Supports HDCP 2.2 content encryption
- Supplied coiled on spool for easy installation
- CPR, Plenum UL certified

In the Box

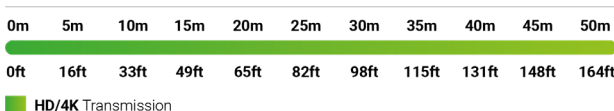
- 1x Hybrid Active Optical HDMI Cable
- 2x Reusable Cable Ties
- 1x Type D-A HDMI Head converter

- 2x Retaining Screws for HDMI head
- 1x Micro USB power cable (back up only)
- 1x Quickstart Guide

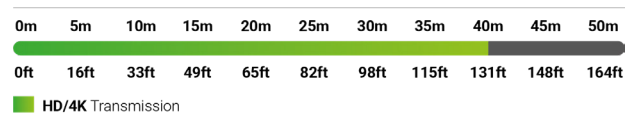
Optical HDMI Cable Performance Guide



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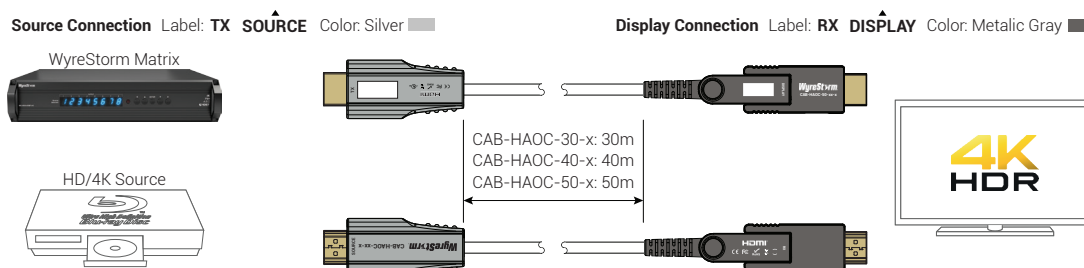
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Specifications

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			
Video Resolution (Max)		CAB-HAOC-30-x	CAB-HAOC-40-x	CAB-HAOC-50-x
	1920x1080p @60Hz 16bit			
	3840x2160p @60Hz 10/12bit HDR 4:2:2	30m/98ft	40m/131ft	50m/164ft
	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			
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		

Right Product for the Right Application.



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