

# 20m 18Gbps Over Active Optical HDMI Cable (20m/65ft)

Next generation active optical HDMI cables designed for next generation 4K UHD with HDR content, the WyreStorm CAB-HAOC-20 delivers uncompressed full bandwidth 18Gbps HDMI content up to 20m/65ft using the latest optical transmission technology.

## Key features

- Uncompressed transmission of 18Gbps HDMI content to 20m/65ft over optical transmission
- 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
- Solid alloy head construction with 20mm/0.79" width perfect for feeding through conduit
- HDCP 2.2, ARC and CEC support

## Overview

The latest addition to WyreStorm's line of AV accessories, the CAB-HAOC-20 is a next generation active optical HDMI cable designed for delivery of full bandwidth next generation 4K UHD content up to 20m/65ft.

Stepping-up from our standard copper HDMI cable as found on our Express line, the CAB-HAOC-20 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.

We've even color-coded and labeled each end of the cable to make it easier to install, with space on connectors to write source or zone details for improved cable management and a personal touch to your installation.

When it comes to aiding control of your devices, CAB-HAOC cables keep things effortlessly simple, with support for both ARC and CEC control.

Furthermore, transmission of HDMI output from any device can be sent over longer distances with zero compression, zero latency and with no added power - ideal for using any WyreStorm H2, H2A, H2C or H2X Series HDBaseT matrix switchers featuring mirrored HDMI outputs to their full potential.

Ideal for commercial applications using an HDMI matrix for source switching of 4K@60Hz content, for residential applications where distribution of 4K HDR@60Hz is too high for HDBaseT or either application where copper transmission (HDBaseT or IP) would be susceptible to EM or RF interference, CAB-HAOC cables delivers content over AOC HDMI up to 20m at 18Gbps with support for HDCP 2.2, Dolby Atmos and DTS:X.

CAB-HAOC cables make for the perfect accessory to any WyreStorm 4K UHD distribution and an absolute must for today's AV projects requiring rock-solid delivery of the latest content over full bandwidth 18Gbps HDMI.

## Features

- Uncompressed transmission of 18Gbps HDMI content to 20m/65ft 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
- Zero compression, zero latency HDMI transmission over longer distances with no power added
- HDCP 2.2 compliant

- Perfect for use in environments with excessive EM or RF interference
- Solid alloy head construction with 20mm/0.79" width perfect for feeding through conduit
- ARC and CEC support
- Cable heads color coded and labelled for ease of install at source and display ends
- Includes cable spool

## In the Box

1x CAB-HAOC-20 HDMI Active Optical Cable (20m/65ft)  
 2x Adjustable Cable Ties  
 1x Quickstart Guide

## Specifications

<b>Audio and Video</b>	
Inputs	1x HDMI: 19-pin type A Male
<b>Outputs</b>	1x HDMI: 19-pin type A Male
Output Video Encoding	AOC
Encoding Data Rate	18Gbps
End to End Latency	Zero
<b>Audio Formats</b>	2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos
Video Resolutions (Max)	<b>HDMI</b> 1920x1080p @60Hz 16bit (20m/65ft) 3840x2160p @30Hz 4:4:4 8bit (20m/65ft)   @60Hz 4:2:0 HDR 10bit (20m/65ft) 4096x2160p @60Hz 8bit 4:4:4 (20m/65ft)
Color Depth	1080p: 16bit   4K UHD: 8bit   HDR @24p: 10bit BT.2020
Maximum Pixel Clock	600MHz
<b>Communication and Control</b>	
HDMI	TMDS   HDCP 2.2   EDID   CEC   ARC
Audio Return Channel (ARC)	Supported
<b>Installation Restrictions</b>	
<b>Max. Bend Radius</b>	6cm/2.36in

<b>Max. Pull tension</b>	15kg/33lbs
<b>Power</b>	
Power Supply	Passive HDMI: 5V   4.5v~5.5v VCC
Max Power Consumption	250mW
<b>Environmental</b>	
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
<b>Dimensions and Weight</b>	
<b>Cable Length (Connector to Connector)</b>	20m/65ft
Height	9mm/0.36in
Width	19.8mm/0.78in
Depth	39.5mm/1.56in
Weight	N/A
<b>Regulatory</b>	
Safety and Emission	CE   FCC   RoHS