

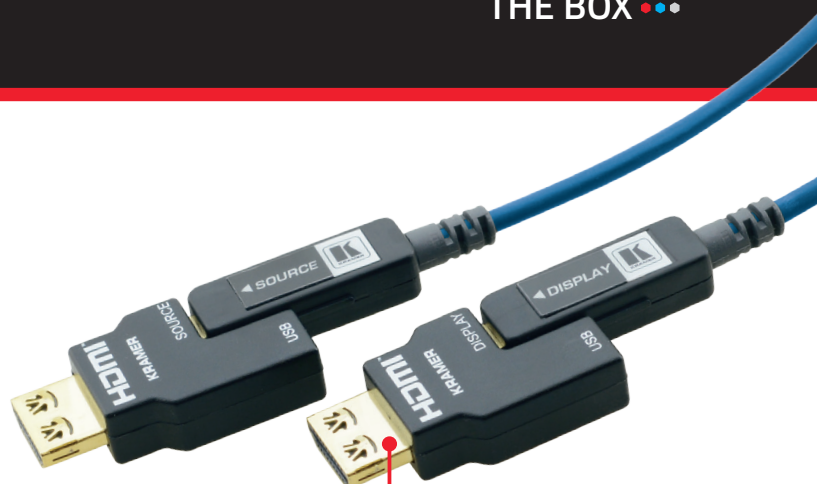
# CLS-AOCH/XL

Active Optical High-Speed  
Pluggable HDMI Cable

LOW SMOKE & HALOGEN FREE

Kramer's AOCH/XL is an Active Optical HDMI Cable for running 4K@60Hz 4:2:0 UHD, 4K@30Hz 4:4:4, over longer distances up to 100 meter(328 ft), in a simple & practical way.

This Hybrid-Fiber Cable HDMI ends can quickly detach, offering a much smaller head that can be run through conduit or other tight spaces with the Included pulling capsule, they and are also interchangeable. DVI ends can be purchased separately. The AOCH cables are thinner, lighter and more flexible than copper or even standard optical cables while providing transparent EDID and HDCP support without signal attenuation and also provide reduced risk of EMI and RFI interference which provides a perfect solution for critical AV installations that demand the highest signal integrity.



Non-slip connection with  
15lbs of restraining force

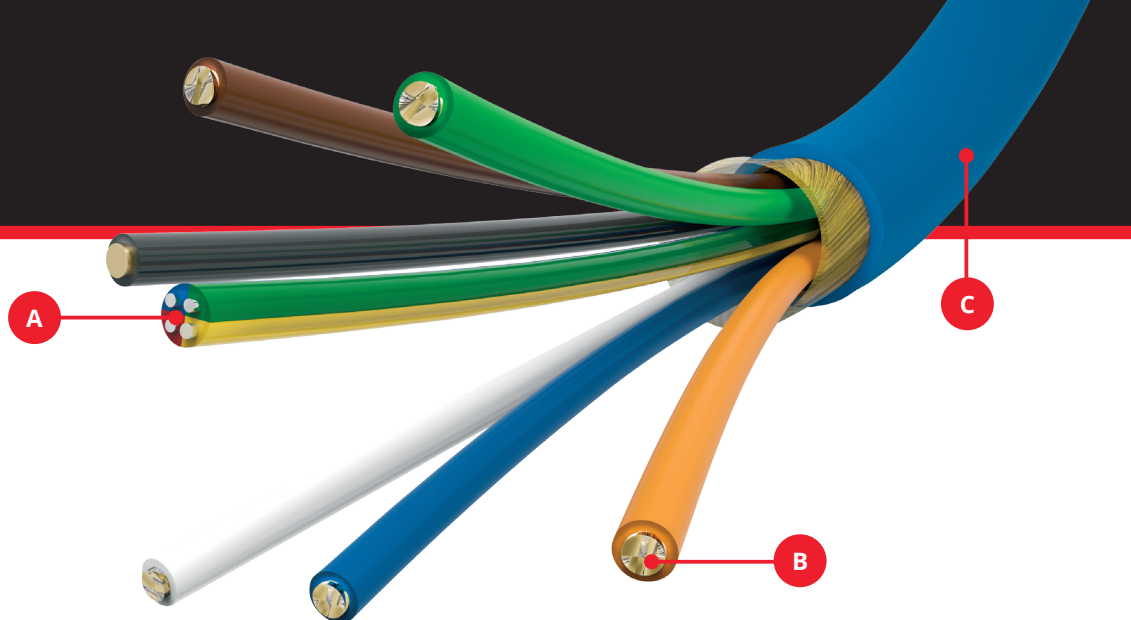
## Features

- Video Resolution – 4K@60Hz 4:2:0 UHD, 4K@30Hz 4:4:4 8Bit, full HD, 3D Deep Color across all lengths
- High Data Transfer Rate – Up to 10.2Gbps
- Embedded Audio – PCM 8-channel, Dolby Digital True HD and DTS-HD Master Audio
- High-quality connectors – 24K gold-plated, corrosion-resistant and best possible connectivity
- Pull-resistant – K-Lock connectors with 15lbs of restraining force
- EMI & RFI Immunity
- No External Power – Powers the active units via the HDMI connector
- Thin Construction – 3.4mm (0.13") diameter.
- Small Bending Radius – Only 6mm (0.24").
- Jacket Construction – Low smoke & halogen free.
- RoHS 2011/65/EU compliant
- Varied Selection of Lengths – Available in versions from 10 to 100m (33 to 328ft)

## In the Box

- 1x active Optical High-Speed HDMI Cable
- 2x HDMI type-D to A adapter
- 2x HDMI-A end locking screw
- 1x USB-A to MicroB cable
- 1x pulling capsule
- 1x User manual





## CABLE SPECIFICATIONS

### AUDIO & VIDEO SPECIFICATIONS

Video Resolution	4K@60Hz 4:2:0, 4K@30Hz 4:4:4, 8Bit, full HD, 3D Deep Color
Data Rate (max)	Up to 10.2 Gbps
Supported Color Spaces	RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601
Embedded Audio	Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio™, DVD Audio, SA-CD
HDMI Support	HDCP 2.2, EDID, CEC

### PHYSICAL SPECIFICATIONS

Connector-1 (source end)	Male HDMI type-A 24K gold plated (pluggable) / Male HDMI type D
Connector-2 (display end)	Male HDMI type-A 24K gold plated (pluggable) / Male HDMI type D
Cable Structure	Hybrid Optical Fiber Cable
Fiber Optic <b>A</b>	Multi-mode fiber
Conductors <b>B</b>	6x28AWG (7/0.127mm)
Outer Sheath Material <b>C</b>	Low smoke & halogen free
Outer Sheath Color	Blue
Outer Sheath Diameter	3.4mm
Cable Bending Radius	6mm
Connector Max. Pulling Strength	22lbs/10kg
Max. Compression Load Resistance	500N (50kg, 110lbs)

### POWER SPECIFICATIONS

Power Supply	No external power supply is needed (draws current from the source). If source power is not sufficient, connect the supplied USB cable to an external power.
Power Consumption	0.25W max

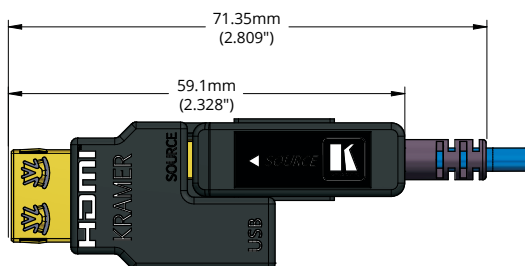
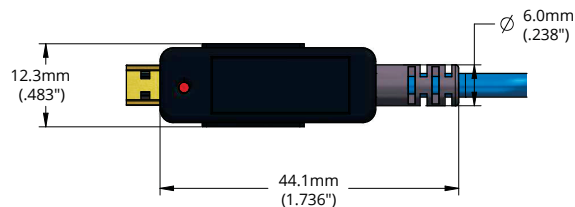
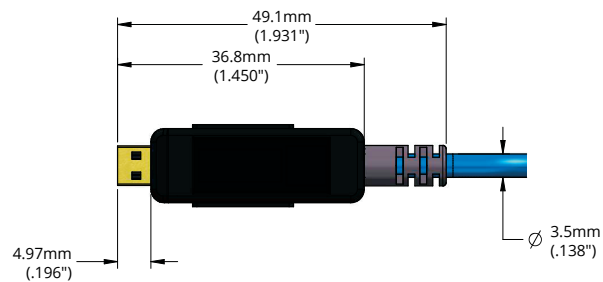
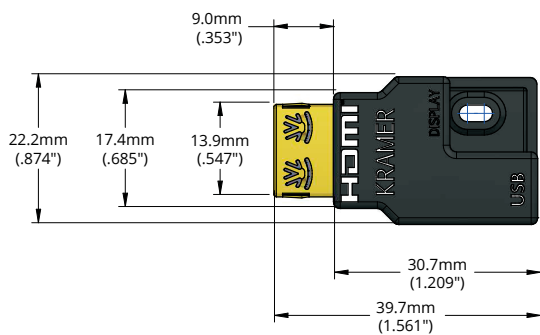
### ENVIRONMENTAL SPECIFICATION

Operating Temperature	+32~+122°F (0~+50°C)
Storage Temperature	-22~+122°F (0~+50°C)
Operating Humidity	5 ~ 85%

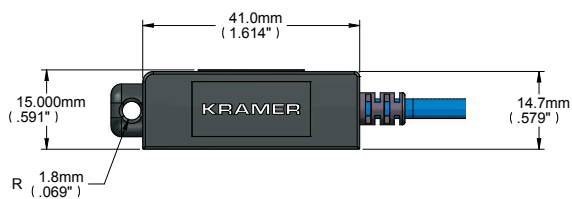
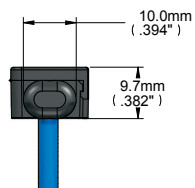
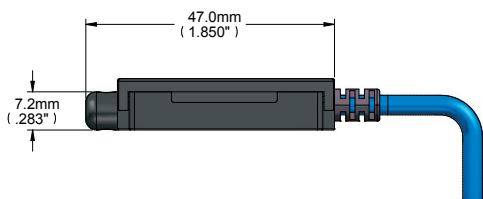
### REGULATORY

LSHF (compliance)	IEC 60332-1, IEC 60754-1, IEC 61034-2
RoHS	2011/65/ EU

## OUTLINE DIMENSIONS



## Pulling Capsule Dimensions





## ORDERING INFORMATION

### Low Smoke & Halogen Free

MODEL	DESCRIPTION	LENGTH	GROSS WEIGHT
<b>CLS-AOCH/XL-33</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	33ft/10.00m	0.79lbs/0.36kg
<b>CLS-AOCH/XL-50</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	50ft/15.20m	1.01lbs/0.46kg
<b>CLS-AOCH/XL-66</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	66ft/20.00m	1.21lbs/0.55kg
<b>CLS-AOCH/XL-98</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	98ft/30.00m	1.65lbs/0.75kg
<b>CLS-AOCH/XL-131</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	131ft/40.00m	2.07lbs/0.94kg
<b>CLS-AOCH/XL-164</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	164ft/50.00m	2.62lbs/1.19kg
<b>CLS-AOCH/XL-197</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	197ft/60.00m	3.04lbs/1.38kg
<b>CLS-AOCH/XL-230</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	230ft/70.00m	3.46lbs/1.57kg
<b>CLS-AOCH/XL-262</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	262ft/80.00m	3.90lbs/1.77kg
<b>CLS-AOCH/XL-295</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	295ft/90.00m	4.32lbs/1.96kg
<b>CLS-AOCH/XL-328</b>	Active Optical High-Speed Pluggable HDMI Cable – LSHF	328ft/100.00m	4.74lbs/2.15kg

