



# KRAMER

## CLS-AOCH/60F

High-Speed HDMI Optic Hybrid Cable —  
LSHF

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CLS-AOCH/60F is an innovative active optical HDMI cable for 4K signals up to 90 meters (295ft). CLS-AOCH/60F cables are thinner, lighter, and more flexible than copper or even standard optical cables. They offer transparent EDID and HDCP support with no signal attenuation and reduced risk of EMI and RFI interference. CLS-AOCH/60F cables are an ideal solution for maximizing signal integrity in critical AV installations

### FEATURES

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Video Resolution - Up to 4K@60Hz (4:4:4)

High Data Transfer Rate - Up to 18Gbps

Embedded Audio - PCM 8-channel, Dolby Digital True HD and DTS-HD Master Audio

HDMI Support - HDCP 2.2/1.4, HDR, EDID, ARC and CEC

High-Quality Connectors - 24K gold-plated, corrosion-resistant and best possible connectivity  
Reduced EMI & RFI

Thin Construction - 4.5mm diameter

Jacket Construction - Low smoke & halogen free

RoHS 2011/65/EU CE,FCC Compliant

Varied Selection of Lengths - Available in versions from 10 to 90m (33 to 295ft)



## TECHNICAL SPECIFICATIONS

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Video	Max Resolution: 4K@60Hz Supported Color Spaces: RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, BT.2020 HDMI Support: HDR, HDCP 2.2/1.4, EDID and CEC, ARC
Audio	Supported Audio Formats: Dolby Digital Plus™, Dolby TrueHD™, DTS–HD Master Audio™, DVD Audio, SA–CD
PHYSICAL	HDMI Source: On a male HDMI type A, 24K gold–plated K–Lock connector HDMI Display: On a male HDMI type A, 24K gold–plated K–Lock connector
General	Cable Type: Hybrid with OM3 fiber and copper wire O/E Converter: 4 channel 850 nm VCSEL array Material: Bare Copper Flammability: LSHF
MECHANICAL	Cable Bending Radius: 20mm
JACKET	Color: Black Diameter : 4.5mm
Power	Consumption: 250mW (max)
Environmental Conditions	Operating Temperature: 50°C Storage Temperature: –40–70°C
STANDARDS COMPLIANCE - EC VERIFIED	Safety: CE/FCC
Regulatory Compliance (Standards Compliance)	Environmental: REACH,RoHS 2011/65/ EU



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## CONFIGURATIONS

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CLS-AOCH/60F-33	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-50	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-66	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-98	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-131	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-164	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-197	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-230	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-262	High-Speed HDMI Optic Hybrid Cable — LSHF
CLS-AOCH/60F-295	High-Speed HDMI Optic Hybrid Cable — LSHF