DATASHEET

HDMI fiber optic cable AOC active 8K60Hz 48 Gbit/s 30m black comp. with HDMI 2.1



General data

AOC HDMI Fiber Cable 8K@60Hz – Professional-Grade AV Connectivity for Demanding Applications

This active HDMI fiber optic cable is purpose-built for professional AV environments that require uncompromised signal quality over long distances. Ideal for digital signage, conference rooms, broadcast studios, or high-end installations.

Key Features:

- **Lengths:** 10m, 20m, 30m
- **Resolution:** 8K@60Hz, 4K@120Hz
- **Standard:** compatible with HDMI 2.1 / 2.0 (backward compatible)
- **Bandwidth:** Up to 48 Gbps
- **Active Chipset:** Ensures reliable, interference-free transmission
- **Connectors:** Zinc alloy housing with gold-plated contacts

This datasheet was created automatically on 10-11-2026 . Technical changes reserved.

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• **Labeling:** Laser-engraved “Source” and “Display” for correct orientation

• **Jacket:** Flexible, halogen-free TPE outer jacket

• **Color:** Black, with laser-marked 8K logo

Eco-Friendly Packaging:
Plastic-free cardboard box, recyclable and shipping-ready. Designed to reduce waste and simplify logistics.

Perfect for:
System integrators, AV rental companies, public sector tenders, project planning firms, installers, and B2B resellers.

Technical properties	
3D	True
ARC	True
Backwards compatible	True
Bending radius (dynamic/static)	40 mm
CEC	True
Cable and plug compatibility	Ultra High-Speed HDMI
Cable set	False
Cable type (passive/active/optical)	active optical
Chip	True
Color depth	16-Bit
Compliant with	TV
Compressions technologies	DSC
Connection type connection 1	Plug
Connection type connection 2	Plug
Connector 1 angulation	180°
Connector 2 angulation	180°
Contact Plating	gold-plated
DSC	True
Dust cover	false
Enhanced Color	Deep Color
HDCP Version	HDCP 2.3
HDMI Power	True
HDMI certified	True
HDR	HDR10
HEC (Ethernet channel)	True

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Halogenfree	True
Kink protection	True
MSA	False
MST	False
Material Connector Housing	Zinc Alloy
Material Inner Conductor	BC
Material jacket	TPE
Max. mating cycles	5000
Max. resolution	8K@60Hz
Model	Round Cable
Number of poles connection 1	19
Number of poles connection 2	19
Number of shieldings	double
Operating temperature	-5 – 45 °C
PCIe Data transfer	False
Plug dimensions Side 1	19.5 x 11.8 x 52.8mm
Plug dimensions Side 2	19.5 x 11.8 x 52.8mm
Scope of delivery	1 x HDMI Cable
Shielded	True
Speed	48 Gbit/s
Supported audio formats	compressed Audio format (Dolby Digital, Dolby TrueHD, DTS, DTS-HD Master Audio, Dolby Atmos)
Supported video standards	8K UHD
Temperature	-20 – 70 °C
Tensile strength (short/long)	98,1 N
Type of connector connection 1	HDMI Type A
Type of connector connection 2	HDMI Type A
Type of packaging	paper box
Type of signal	Digital
VESA certified	False
VRR	True
Version	HDMI Version 2.1a
Warranty	36 months
With termination resistor	False
eARC	True

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Available variants

ArtNr.	Bezeichnung	Colour	Length	Diameter	AWG
HDMI-21-00006	HDMI fiber optic cable AOC active 8K60Hz 48 Gbit/s 10m black comp. with HDMI 2.1	black	10 m	4.7 mm	26AWG
HDMI-21-00007	HDMI fiber optic cable AOC active 8K60Hz 48 Gbit/s 20m black comp. with HDMI 2.1	black	20 m	4.7 mm	26AWG
HDMI-21-00008	HDMI fiber optic cable AOC active 8K60Hz 48 Gbit/s 30m black comp. with HDMI 2.1	black	30 m	4.7 mm	26AWG

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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