

DATASHEET

Active AOC Fiber Optic Cable 8K60Hz 48 Gbps 15m black
compat. w. HDMI 2.1/2.0



General data

This black HDMI™ fiber optic cable from EFB-Elektronik meets the requirements for HDMI™ Version 2.1a and supports a maximum resolution of up to 8K@60Hz. It is therefore compatible with the 8K UHD video standard and truly shines when used with TVs. The HDMI™ standard is backward compatible and works with a wide range of devices. Thanks to a bandwidth of 48 Gbit/s, even particularly high-quality media can be easily transmitted.

- Cable type: active optical to prevent signal attenuation and loss
- With built-in chip for amplification
- Contact material: gold-plated contacts for reliable transmission quality

Product advantages

HEC-compatible devices allow the transfer of network data via an integrated Ethernet channel, eliminating the need for an additional network cable. Media playback becomes even more vivid thanks to HDR10, which transmits a wider color spectrum and finer brightness nuances.

Product description

TPE forms the cable jacket. The HDMI™ Type A connectors feature a zinc alloy housing, which helps prevent damage.

Technical Details

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- Connector 1: HDMI™ Type A plug (19-pin)
- Connector 2: HDMI™ Type A plug (19-pin)
- Connector angle: 180° (straight)
- Maximum data transfer rate: 48 Gbps
- Supported technologies/protocols: HDR10, 3D, HEC
- Signal type: digital
- Cable diameter: 4.7 mm
- Jacket material: TPE
- Maximum mating cycles: 5000
- With kink protection
- Brand: EFB-Elektronik

Package contents

- 1 x HDMI™ cable

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

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HDR	HDR10
HEC (Ethernet channel)	True
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 Typ 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

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eARC True

Available variants

ArtNr.	Bezeichnung	Colour	Length	Diameter	AWG
HDMI-21-00014	Active AOC Fiber Optic Cable 8K60Hz 48 Gbps 15m black compat. w. HDMI 2.1/2.0	Black	15 m	7.0 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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