DATASHEET

HDMI fiber optic cable AOC active 4K60Hz 18 Gbit/s 50m black comp. with HDMI 2.0







General data

AOC Fiber Optic HDMI Cable 4K@60Hz – Built for Professional Use

Our AOC (Active Optical Cable) HDMI cable is engineered for demanding professional applications in AV installations, digital signage, conference systems, and high-end home theaters. Using advanced fiber optic technology, this active HDMI 2.0 cable delivers uncompressed 4K@60Hz video over distances of 10 to 50 meters – without signal loss or interference.

Key Features:

- **Lengths available:** 10m, 20m, 30m, 50m
- **Resolution:** 4K at 60Hz, supports up to 18 Gbps bandwidth
- **Standard:** HDMI 2.0 compliant and backward compatible
- **Technology:** Active cable with integrated signal conversion chip
- **Connectors:** HDMI plugs with zinc alloy shell and gold-plated contacts

This datasheet was created automatically on 21-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

HDMI fiber optic cable AOC active 4K60Hz 18 Gbit/s 50m black comp. with HDMI 2.0

• **Marking:** Laser-labeled “Source” & “Display” for correct connection

• **Color:** Black jacket, laser-marked 4K logo on connector

• **Outer Jacket:** Durable, flame-retardant PVC

Eco-Friendly Packaging:
Packed in sturdy cardboard – 100% plastic-free, recyclable, and ready-to-ship without extra packaging. Designed for streamlined logistics and reduced environmental impact.

Optimized for professional projects:
This cable meets the expectations of AV resellers, system integrators, rental companies, and IT service providers looking for reliable long-distance 4K HDMI transmission.

Technical properties	
3D	True
ARC	True
Backwards compatible	True
Bending radius (dynamic/static)	40 mm
CEC	True
Cable and plug compatibility	High-Speed HDMI
Cable set	False
Cable type (passive/active/optical)	active optical
Chip	False
Color depth	12-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 2.2
HDMI Power	True
HDMI certified	True
HDR	Display HDR

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

DATASHEET

HDMI fiber optic cable AOC active 4K60Hz 18 Gbit/s 50m black comp. with HDMI 2.0

HEC (Ethernet channel)	True
Halogenfree	No
Kink protection	True
MSA	False
MST	False
Material Connector Housing	Zinc Alloy
Material Inner Conductor	BC
Material jacket	PVC
Max. mating cycles	5000
Max. resolution	4K@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	18.6 x 8.4 x 53.4mm
Plug dimensions Side 2	18.6 x 8.4 x 53.4mm
Scope of delivery	1 x HDMI Cable
Shielded	True
Speed	18 Gbit/s
Supported audio formats	compressed Audio format (Dolby Digital, Dolby TrueHD, DTS, DTS-HD Master Audio, Dolby Atmos)
Supported video standards	4K UHD - Ultra High Definition
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	False
Version	HDMI Version 2.0
Warranty	36 months
With termination resistor	False
eARC	False

This datasheet was created automatically on 21-11-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

HDMI fiber optic cable AOC active 4K60Hz 18 Gbit/s 50m black comp. with HDMI 2.0

Available variants

ArtNr.	Bezeichnung	Colour	Length	Diameter	AWG
HDMI-20-00007	HDMI fiber optic cable AOC active 4K60Hz 18 Gbit/s 10m black comp. with HDMI 2.0	black	10 m	4.7 mm	26AWG
HDMI-20-00008	HDMI fiber optic cable AOC active 4K60Hz 18 Gbit/s 20m black comp. with HDMI 2.0	black	20 m	4.7 mm	26AWG
HDMI-20-00009	HDMI fiber optic cable AOC active 4K60Hz 18 Gbit/s 30m black comp. with HDMI 2.0	black	30 m	4.7 mm	26AWG
HDMI-20-00010	HDMI fiber optic cable AOC active 4K60Hz 18 Gbit/s 50m black comp. with HDMI 2.0	black	50 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.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION