DATASHEET

HDMI AOC Video Cable 4K 60Hz, HDMI Type A - A, M-M, 50m







General data

HDMI™ active optical cable (AOC) fiber optic cable
Using optical fiber to replace copper wire as the HighSpeed signal transmission medium
It can perfectly transmit 4K @ 60Hz image up to 100 meters.
Compared with the traditional copper wire, this product is much longer, softer, more slim, with better signal quality and perfect EMI/EMC feature.
Compared with other HDMI™ optical fiber transmission solution, this product is easy to use, and no external power supply needed.

Features:
Long distance transmission, up to 100 meters
Thinner and lighter than conventional copper cable
No radiation, and highly resistant with EMI
No external power supply needed
Supports resolution up to: 4Kx2K @ 60Hz
Signalway Source -> Display (Marked on plugs)
Package Contents
• HDMI™ AOC fiber optic cable

Technical properties

This datasheet was created automatically on 01-11-2026 . 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 AOC Video Cable 4K 60Hz, HDMI Type A - A, M-M, 50m

3D	True
ARC	True
Backwards compatible	True
Bandwith	18 Gbit/s
Bending radius (dynamic/static)	48 mm
CEC	True
Cable and plug compatibility	High-Speed HDMI
Cable set	False
Cable type (passive/active/optical)	active optical
Chip	True
Color depth	10-Bit
Compliant with	TV/Monitor/Blu-ray player/DVD Player/gaming monitor/laptop/
Compressions technologies	Dolby TrueHD
Connection type connection 1	Plug
Connection type connection 2	Plug
Connector 1 angulation	180°
Connector 2 angulation	180°
Contact Plating	gold-plated
Crush resistance (short/long)	200/400 kg/cm²
DSC	False
Dust cover	True
Enhanced Color	HighDynamicRange
HDMI Power	True
HDMI certified	False
HDR	HDR
HEC (Ethernet channel)	True
Halogenfree	No
Kink protection	False
MSA	False
MST	False
Material Connector Housing	Zinc Alloy
Material Inner Conductor	TC+Optical
Material jacket	PVC
Max. mating cycles	10000
Max. resolution	4K@60Hz

This datasheet was created automatically on 01-11-2026 . 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 AOC Video Cable 4K 60Hz, HDMI Type A - A, M-M, 50m

Model	Round Cable
Number of poles connection 1	19
Number of poles connection 2	19
Number of shieldings	single
Operating temperature	0 – 45 °C
PCIe Data transfer	False
Plug dimensions Side 1	39mm x 20.4mm x 11.2mm
Plug dimensions Side 2	39mm x 20.4mm x 11.2mm
Plug imprint	display, source
Scope of delivery	1x HDMI AOC cable
Shielded	True
Speed	18 Gbit/s
Supported protocols / functions	HDMI2.0
Supported video standards	4K UHD - Ultra High Definition
Temperature	-10 – 55 °C
Tensile strength (short/long)	49 N
Type of connector connection 1	HDMI Type A
Type of connector connection 2	HDMI Type A
Type of packaging	recycled plastic bag
Type of signal	Digital
VESA certified	False
VRR	False
Version	HDMI Version 2.0
Warranty	12 months
With termination resistor	True
eARC	False

Available variants

ArtNr.	Bezeichnung	Colour	Length	Diameter	AWG
K5431AOC.20V2	HDMI AOC Video Cable 4K 60Hz, HDMI Type A - A, M-M, 20m	black	20.0 m	4.8 mm	30AWG
K5431AOC.30V2	HDMI AOC Video Cable 4K 60Hz, HDMI Type A - A, M-M, 30m	black	30.0 m	4.8 mm	30AWG
K5431AOC.40V2	HDMI AOC Video Cable 4K 60Hz, HDMI Type A - A, M-M, 40m	black	40.0 m	4.8 mm	30AWG
K5431AOC.50V2	HDMI AOC Video Cable 4K 60Hz, HDMI Type A - A, M-M, 50m	black	50.0 m	4.8 mm	30AWG

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

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

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.

This datasheet was created automatically on 01-11-2026 . 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