# DIGITUS® HDMI AOC fiber optic cable armored, UHD 8K, 90 m

**AK-330128-900-S**

**EAN 4016032508922**



**HDMI AOC Fiber Optic Cable armored, Type A M/M, 90m, Ultra HD, 8K@60 Hz, gold, bl**

This armored HDMI 2.1 AOC cable is the reliable solution for ultra HD video and audio transmission in 8K over long distances - where classic passive HDMI cables reach their limits. Thanks to the combination of fiber optic and copper conductors, the cable offers the highest signal quality with maximum interference immunity (EMI-resistant) and guarantees stable transmission with up to 48 Gbps bandwidth and resolutions up to 8K@60Hz and 4K@120Hz. The robust construction with metal armoring protects the cable from mechanical stress during installation and operation. The small outer diameter of only approx. 5.9 mm enables simple and flexible installation - ideal for professional AV installations (e.g. conference rooms, digital signage, home cinema setups). Modern picture standards such as HDR, HDR10, HDR10+, Dolby Vision and HLG as well as high-quality audio formats such as Dolby TrueHD and DTS-HD Master Audio are supported. Thanks to Plug & Play, no additional driver installation is required - simply connect and immediately enjoy the highest picture quality. Important: The cable is directional. Please connect the "Source" plug to the source device and the "Display" plug to the output device.

**8K signal quality over 90 meters - loss-free, low-interference and optimally protected for demanding installations thanks to metal armoring.**

- HDMI 2.1 compatible Active Optical Cable (AOC)
- Hybrid structure: glass fiber + copper conductor (OM2 glass fiber 50/125 µm, 4-wire)
- Resolution up to 8K (7680 × 4320) @ 60 Hz (UHD-2)
- Supports 4K@144Hz (YUV 4:4:4, up to 12 bpc)
- Supports 8K@60Hz and 8K@30Hz
- 3D support; downwards compatible with lower resolutions (e.g. 4K/1080p)
- Bandwidth up to 48 Gbps (for modern AV setups)
- HDR (High Dynamic Range) / HDR10 / HDR10+ / Dolby Vision / HLG
- YUV 4:4:4 color space subsampling with 8-, 10- and 12-bit color depth
- BT.2020 / Rec.2020 pass-through support
- Audio Return Channel (ARC)
- Supports Consumer Electronic Control (CEC)
- Lip sync function for audio/video synchronization
- Gaming features: VRR / ALLM / QFT / QMS
- 21:9 / Cinemascope support
- EDID support (EDID 1.3 / 1.4 / 2.0)
- HEC (HDMI Ethernet Channel)
- Audio formats: LPCM (8-channel, 192 kHz, 24-bit), Dolby TrueHD, DSD and DTS-HD Master Audio capable
- Compatible with DVD-Audio, Blu-ray Disc and HD-DVD
- HDCP 2.3 (additionally HDCP 2.2 / 1.4 supported)
- Max. Tensile force (Tensile): 200 N
- Crush resistance: 300 N
- Metal reinforcement + nylon threads for robust installation
- Minimum bending radius: 59 mm
- Outer diameter: approx. 5.9 mm
- Cable sheath: TPU (VW-1)
- Operating temperature: 0-40°C, operating humidity: 20-80 % rH (non-condensing)
- Storage temperature: -20-60°C, storage humidity: 10-90 % rH (non-condensing)
- Plug dimensions (L/W/H): 44.8 × 20 × 12.2 mm (±0.2 mm)
- Silicon Line optoelectronic converter chip
- Directional: Source → Display (do not swap)
- Installation note: recommended tensile load during installation max. 10 kg, do not bend/knot/twist; do not hit/crush plug; hold on to plug housing when plugging in/unplugging

**Attributes**

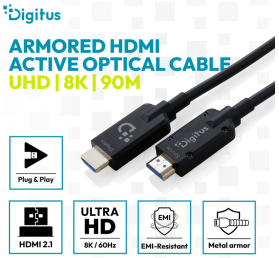
- Feritni filtar: nema
- HDMI-norma: Ultra brzi HDMI
- HDTV-norma: Ultra HD 8K
- Kabel u boji: crni
- Kapice: Metalno kućište
- Konektor 1: HDMI tip A, utikač
- Konektor 2: HDMI tip A, utikač
- Površina konektora: pozlaćeno
- rezolucija maks.: 7680 × 4320 piksela, 60 Hz
- Duljina: 90 m
- AOC - aktivni optički kabel: Da
- oklop: jednostruki oklop

| Logistics | | | | | | |
|---|---|---|---|---|---|---|
| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³ |
| Packaging Unit Carton | 4 | 23.00 | 29.30 | 32.00 | 57.50 | 53,912.00 |
| Packaging Unit Inside | 1 | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| Packaging Unit Single | 1 | 5.75 | 32.50 | 30.50 | 18.00 | 17,842.50 |
| Net single without Packaging | 1 | 4.20 | 31.00 | 31.00 | 7.50 | 0.00 |

**More images:**







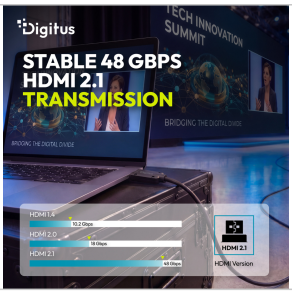


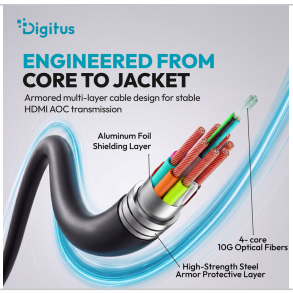















**Safety notes**

- When plugging and unplugging the cable, only grasp the plug and do not pull directly on the cable.
- Cables must not be kinked sharply or bent at tight angles, as this can damage the inner wires and lead to failures.

- Make sure that the cables are not under tensile load, as this can damage the insulation and the wires inside the cable.
- Ensure that cables are not laid in areas where they can be easily damaged mechanically.
- Cables should not be used in environments with extremely high or very low temperatures. Observe the product information on the maximum operating temperature of the cable
- Check cables regularly for visible damage such as cracks, kinks or signs of wear. Defective cables should be replaced immediately to avoid failures, short circuits or even electric shocks.

**EU responsible person**

EU based economic operator ensuring the product complies with the required regulations.

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