DisplayPort AOC Hybrid fiber optic cable, UHD 8K, 50 m

AK-340108-500-S
EAN 4016032510284



DisplayPort AOC Connection Cable M/M, 50.0m, UHD 8K, 8K@120Hz, DP 2.1, gold, bl

This active DisplayPort AOC hybrid fiber optic cable enables the loss-free transmission of uncompressed video and audio signals in up to 8K/ 120Hz over long distances. Due to the combination of fiber optic and copper technology, the cable offers a particularly stable signal quality with high immunity to electromagnetic interference (EMI). With a bandwidth of up to 54 Gbps (UHBR13.5), the cable is ideal for demanding applications such as home cinema, conference rooms, digital signage or professional AV installations. The small outer diameter of just 4.8 mm and the flexible design enable easy installation - even in narrow cable ducts or empty conduits. Thanks to Plug & Play, no additional power supply or software installation is required. The cable supports modern DisplayPort features such as HDR, VRR, ALLM and QFT, ensuring a smooth, detailed and low-latency image display. This makes it ideal for high-resolution video applications and gaming setups.

Transmits uncompressed video and audio signals in up to 8K/ 120Hz with a bandwidth of up to 54 Gbps losslessly and without latency - ideal for professional AV installations over long distances.

- Resolution up to 8K (7680 x 4320) at 120Hz
- 4K at 240Hz and Full HD compatible
- Data rate up to 54 Gbps (UHBR13.5)
- Hybrid AOC (fiber optic + copper conductor)
- HDR (High Dynamic Range) support
- VRR (Variable Refresh Rate)
- ALLM (Auto Low Latency Mode)
- QFT (Quick Frame Transport)
- Supported features: HDR, HDR10, HDR10+, Dolby Vision, HLG, VRR, QFT, ALLM
- Color depth up to 12 bit
- Color format YUV 4:4:4
- HDCP 2.3 support
- Connector type: DisplayPort male to DisplayPort male
- Signal direction: Source Display
- Outer diameter: approx. 4.8 mm
- Bending radius: 48 mm, flexibly suitable for installations
- Plug & Play - no external power supply required
- Operating temperature: 0 °C to +40 °C
- Storage temperature: -20 °C to +60 °C
- Fiber type: OM3
- Sheath material: PVC, black

Attributes

- Color cable: black
- Connector 1: DP, plug
- Connector 2: DP, plug
- Connector surface: gold-plated
- DisplayPort standard: DisplayPort 2.1
- Ferrite filter: none
- HDTV Standard: Ultra HD 8K
- Hoods: Metallic housing
- Interlock: Snap fastener
- Length: 50 m
- AOC - Active Optical Cable: yes
- Shielding: single shielding

More images:

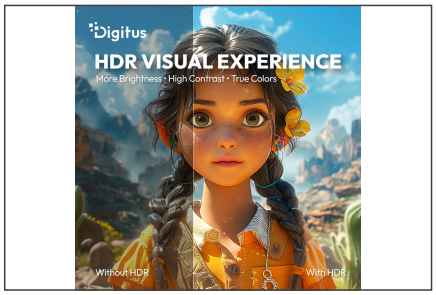






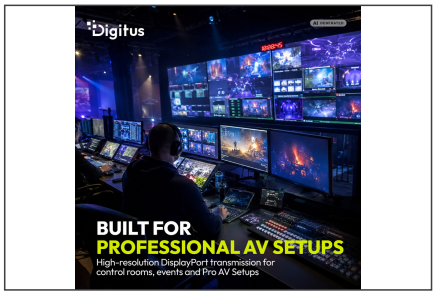
















Safety notes

- 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 specifications for 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.