



High Speed HDMI Active Optical Cable

4K@60Hz UHD, HDMI Male to Male, 20 m (65 ft.), HDR, HEC, ARC, Gold-plated Contacts, Black

Part No.: [355148](#)

EAN-13: 0766623355148 | UPC: 766623355148

HDMI Active Optical Cable - Enjoy Ultra-High-Definition (UHD) performance with no interference and over extra-long distances

The Manhattan High Speed HDMI Active Optical Cable (AOC) is the perfect solution for delivering an HDMI signal to a desired location such as a classroom, conference room, healthcare facility, trade show or another commercial environment. AOC technology offers several advantages over standard HDMI cables. Its smaller cable diameter ensures greater flexibility and maneuverability during installation into tight spaces, and its construction from fiber strands eliminates the risk of electromagnetic/radio frequency interference to give the best performance, stability and reliability. The AOC is an excellent choice for high-interference environments such as data centers, surgical theaters, DJ events or manufacturing facilities where high resolution and consistent display are critical. The Manhattan HDMI Active Optical Cable is Plug and Play, and it draws its power from the HDMI source device, so no external power source is required.

Features:

- Extends an HDMI signal over long distances without an external repeater, signal loss or interference
- Supports Ultra-High-Definition (UHD) 4K@60Hz 4:4:4 chroma subsampling
- Fiber and copper-wire hybrid for a thinner cable; ideal for in-wall installations and narrow spaces
- Immune to EMI (electromagnetic interference) and RFI (radio frequency interference)
- Gold-plated contacts for corrosion-free connections

- High Dynamic Range (HDR) for superior contrast and brilliant colors
- Supports HDMI Ethernet Channel (HEC)
- Supports HDCP 2.2, CEC and ARC
- Compatible with Dolby, Dolby Atmos, DTS and PCM audio formats
- Supports bandwidth up to 18 Gbps
- Plug and Play; requires no external power supply
- Built-in, active amplifier circuitry
- Three-year warranty

Specifications:

Standards and Certifications

- RoHS
- CE
- FCC

General

- Fiber: OM3
- 4K (3840 × 2160) at 60 Hz resolution
- Bandwidth: 18 Gbps
- HDCP 2.2 support
- CEC support
- HDR support
- ARC support
- Length: 20 m (65 ft.)
- Weight: 600 g (1.32 lbs.)

Chipsets

- Output: SL82817
- Input: SL82827
- VCSEL II-VI
- Operating voltage: 5 V
- Operating current: 50 mA
- Power consumption: 250 mW

Connectors

- Two HDMI 19-pin male
- Gold-plated contacts
- Metal connector

Cable

- 28 AWG cable
- OD: 4.5 mm, ± 0.2 mm
- Bend radius: 20 mm
- Fiber pulling/tensile strength: 25 kg (250 N)

Operating Environment

- Operation temperature: 0 - 50°C (32 - 122°F)
- Storage temperature: -20 - 70°C (-4 - 158°F)
- Humidity (noncondensing): 0 - 85%

Package Contents

- High Speed HDMI Active Optical Cable

