

HDMI 2.0 AOC ACTIVE OPTICAL CABLE

Description

HDMI 2.0 AOC active optical cable consists of optical fiber cable and copper wires to have connection between HDMI source and sink devices. The high speed TMDS signal are transmitted through the MM fiber while the low frequency control signal is transmitted through the copper wire.

By adopting AOC technology, small, soft, immune to EMI/RFI ect features enable easy installation with optimum performance and extend the length upto 300m.

The HDMI 2.0 AOC support latest feature such as supporting 4K, 3D Video, Deep Color and X.V Color to be widely applied in conference room, healthcare facilities, games

Features:

- Extend HDMI upto to 300m over MM fiber
- Plug and play, no external power supply or signal amplifier required
- Compliant to all HDMI type A connectors
- Low power consumption, no radiation
- Light weight, soft cable without EMI/RFI emission
- Proven 850nm VCSEL array technology
- Compliant with HDMI 1.4 AND 2.0 specification
- 18Gbps bandwidth and 4K@60Hz with HDR
- Gold plated Zink alloy housing to have anti corrosion, crush to protect the chip
- RoHS compliant jacket, pass 100N pulling force test
- Meet cabling standard, suitable for different cabling installation scenario

Application:

- Blue-ray, DVR, projector, 3D video
- Video games, home theater
- Computers and mobile to full HD display
- Security systems
- TV broadcast station
- Medical imaging equipment

Specification:

1. HDMI type A connector, support HDMI 1.2 AND 2.0
2. Plug and play showing source and display side on connector
3. Support 18Gbps single channel 6Gbgps
4. Support 4:4:4 4K@60Hz 3D
5. Support DHCP/EDID/CEC/DDC

6. Supply voltage 5V
7. Power consumption: $\leq 250\text{mW}$
8. Cable: Hybrid type with 50/125um fiber and copper wire OD: 4.0-5.2mm
9. Cable length: 10m/15m/20m/25m/30m/50m/60m/80m/100m/150m/Customize

Cable Mechanical and Environmental Performance

Tensile Resistance	Short term 300N, Long Term 200N
Pressure Resistance	Long term: 2000N/10cm Short term 3000N/10cm
Cable Bending Radius	$\geq 10\text{mm} \times 1 \text{ turn}$
Operating Temperature	-20~ 70 °C

Product Selection



HDMI AOC AM-AM-1



HDMI AOC AM-AM-2



HDMI AOC AM-DM



HDMI AOC DM-DM

Package: or Customized

