

## Armored HDMI 2.0 AOC CABLE

### Description

Armored HDMI 2.0 AOC active optical cable is providing competitive solution for long distance up to 100m HDMI interconnection with 45mm small bend radius in light weight without connecting external power . It supports HDMI data rate 6Gbps per channel, total 18Gbps to delivery the digital images instantly without loss

### Features:

- Extend HDMI upto to 100m
- Plug and play, no external power supply required
- Compatible with HDMI 2.0 Standard
- Self detecting function for EDID information
- Light weight, soft cable without EMI/RFI emission
- Support HDCP1.4/2.2
- Support 1080P, 4K2K(60P) resolution
- Fiber and cooper hybrid armored flexible cable
- Delivery crystal clear digital image instantly without signal loss.

### Application:

- Blue-ray, DVR, projector, 3D video, computer
- Video games, home theater
- Security systems
- TV broadcast station
- Medical imaging equipement
- Airplane on-board video system

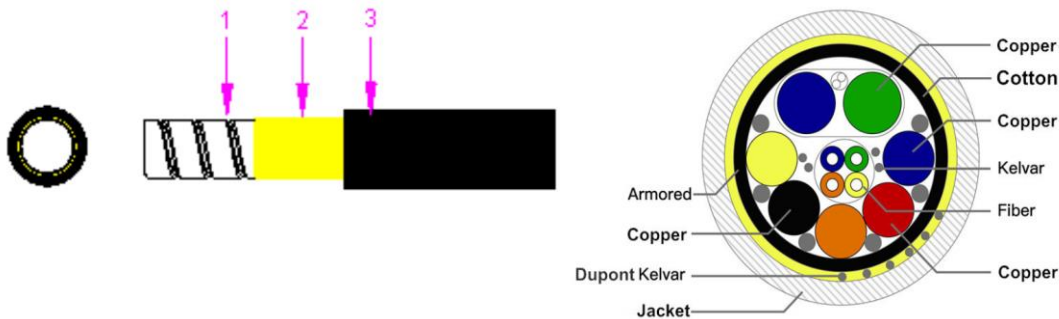
### Product Image



**Specification:**

Item	Description	
	Units	Transmitter (Source)
HDCP & DDC	HDCP 2.2 Fully Support bi-directional EDID and HDCP communication	
Video Bandwidth	6 Gbps/x3Channel (max)+ Clock.	
Supported Resolution & Distance	PC: WUXGA 1920 x 1200 up to 100 meters , HDTV : 480p, 720p, 1080i and 1080p deep color, 4K(60P), 3DFull HD 1920 x 1080 up to 100 meters	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array
Connector Type	HDMI type A + HDMI Type D	
Cable Type	Armored Hybrid type with OM3 fiber and copper wire	
Cable Length	15m/20m/30m/40m/50m/60m/70m/80m/90m/100m (with +/-30cm tolerance) Custom length available.	
Cable Outer Diameter	5.8mm	
Jacket Outer Material	TPU(Custom)	
Cable Weight TBD	Cable Weight TBD	
Cable Color TBD	Cable Color TBD	
Differential Input	100 ohm (typ)	
Power Consumption	250mW (max)	
Power Supply	Non external power required	

**Cable Structure Mechanical**



Cable Structure		
Metal Tube	200CU stainless steel	4.4±0.1mm
Strength Member	Dupont Kevlar	1670D*4
Jacket	TPU	OD5.8±2mm
Tensile(N)	Long Term	400
	Short Term	800
Crush Resistance(N/100mm)	Long Term	1000
	Short Term	2000
Bending Radius(mm)	Dynamic	10D
	Static	20D
Temperature	-40~+80°C	