

AV-AOC-15/30/50/100

Cables



This HDMI Active Hybrid Cable is the most competitive long reach HDMI interconnection solution on the market.

It supports HDMI 2.0 Maximum Data Rate 18Gbps with light weight, flexible and ultra-small long-term bending radius (52mm) hybrid cable.

With our advanced optical engine embedded, this HDMI Hybrid Cable provides full HDMI signal integrity. It supports up to 100m maximum length, is plug and play, and no external power is required.



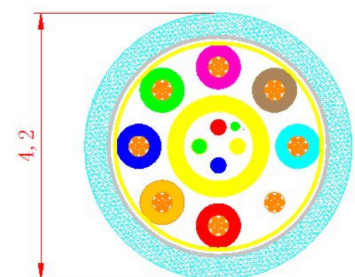
Key features

- Up to 100m Maximum Length.
- Low Power Consumption: 250mW (max). (Power extracted from HDMI source)
- Plug and Play.
- Compatible with HDMI 2.0 standard.
- Support HDCP.
- Self-detecting function for EDID information.
- No loss of signal delivering crystal clear digital images instantly.
- Supports computer resolutions to 1080P and 4K2K(60P) 4:4:4.
- Hybrid optical cable with fiber and copper wire.

Applications

- Digital Signage
- LED signboards in streets and in stadiums
- Medical Imaging Equipment
- Airplane On-board Video System
- Home Theater
- Blue-ray, 3D video, Projector, Set-up box, DVR, Game Consoles and Computer
- TV Broadcast Station
- Conference Room Video Equipment
- Security systems

Specifications



Version 1.1

Item	Description	
Units	Transmitter (Source)	Receiver (Sink)
HDCP & DDC	HDCP 2.0 Fully Support bi-directional EDID and HDCP communication	
Video Bandwidth	6 Gbps/x3Channel (max) + Clock.	
Supported Resolution & Distance	PC: WUXGA 1920x1200 up to 100 meters, HDTV: 480p, 720p, 1080i and 1080p deep color, 4K(60P), 3DFull HD 1920x1080 up to 100 meters	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array
Connector Type	HDMI type A	
Cable Type	Hybrid type with OM3 fiber and copper wire	
Jacket Outer Material	PVC/TPU	
Cable Color TBD	Black	
Differential Input	100 ohm (typ)	
Power Consumption	250mW (max)	
Power Supply	Non external power required	

Absolute Maximum Rating	Min.	Max.
Power Supply Voltage	4,5V	5,5V
Operating Temperature	0°C	50°C
Storage Temperature	-40°C	70°C
Relative Humidity	10%	80%

Recommended Operating Conditions	Min.	Typical	Max.
Power Supply Voltage	4,75V	5,0V	5,25V
Operating Temperature	0°C		50°C

Dimensions and weight	AV-AOC-15	AV-AOC-30	AV-AOC-50	AV-AOC-100
Cable Length (with +/- 30cm tolerance)	15m	30m	50m	100m
Cable Outer Diameter	4,2mm			
Dimension box (Lxbxh)	unknown	210x210x165mm	210x210x165mm	unknown
Weight product	0,52kg	1,01kg	1,33kg	2,27kg
Weight box	unknown	1,17kg	1,49kg	unknown