

## HDMI Active Optical Cable

### OVERVIEW

Luxshare-TECH HDMI2.0b active optical cable assembly provides good performance and quality.

Luxshare-TECH AOC can support up to 4K video display, each lane operates 6Gbps, which the total bandwidth is 18Gbps. And all the design is based on the industry standard specifications, such as HDMI 2.0b.



### FEATURES & BENEFITS

- Compliant to link with all HDMI A-Type connector devices
- Compliant with HDMI 2.0 version
- Pluggable and hot-swappable
- Data rate: 18Gbps (6Gbps per channel)
- Support 4K/2K / 3D / 1080p / 1080i / 720p format (HDMI 2.0 Support 4K2K 60Hz)
- Support HDCP / EDID / CEC / DDC / Audio
- ROHS Compliant
- No additional power requests

### PRODUCT APPLICATIONS

DVR  
 Blu-Ray  
 Projector  
 Video games  
 Video surveillance  
 Face recognition system  
 Multimedia transmission  
 Computers/Mobile to Full HD Display

## TECHNICAL INFORMATION

### MATERIAL

Nickel plated zinc die cast shells & latching  
 Mechanism parts  
 Thermoplastic cable pull tab  
 Optical plastic lens  
 Optical fibre cable

### ELECTRICAL PERFORMANCE

Rated Voltage: 30V DC  
 Rated Current: 0.5A Per Contact  
 Data Rate: 18Gbps

### MECHANICAL PERFORMANCE

Application: Indoor  
 Durability: Connector Insertion /Removal  
 cycles:10000 Times  
 Cable Bend Space: 30 mm  
 Color: Black

### ENVIRONMENTAL

Storage Temperature Range: -40°C to +70°C  
 Working Environment Temperature Range: 0°C to +70°C

### SPECIFICATION

Compliant with HDMI Rev 2.0 Spec& IEC 60793-2-10  
 ROHS Compliant  
 ES-12-00-0033

### Partial PN Table

PN	Form Factor	Data Rate	Media	Distance①(m)	Wavelength(nm)	Voltage(V)	Temp
PA0HH2901-CS-R	HDMI2.0	18Gbps	MMF	30m	850m	3.3	0/+70°C
PA0HH3601-CS-R	HDMI2.1	18Gbps	MMF	10m	850m	3.3	0/+70°C
PA0HH3801-CS-R	HDMI2.1	18Gbps	MMF	20m	850m	3.3	0/+70°C
PA0HH3901-CS-R	HDMI2.1	18Gbps	MMF	30m	850m	3.3	0/+70°C
PA0HH3902-CS-R	HDMI2.1	18Gbps	MMF	40m	850m	3.3	0/+70°C
PA0HH3903-CS-R	HDMI2.1	18Gbps	MMF	50m	850m	3.3	0/+70°C
PA0HH3904-CS-R	HDMI2.1	18Gbps	MMF	60m	850m	3.3	0/+70°C
PA0HH3905-CS-R	HDMI2.1	18Gbps	MMF	70m	850m	3.3	0/+70°C
PA0HH3906-CS-R	HDMI2.1	18Gbps	MMF	80m	850m	3.3	0/+70°C
PA0HH3907-CS-R	HDMI2.1	18Gbps	MMF	90m	850m	3.3	0/+70°C
PA0HH3908-CS-R	HDMI2.1	18Gbps	MMF	100m	850m	3.3	0/+70°C