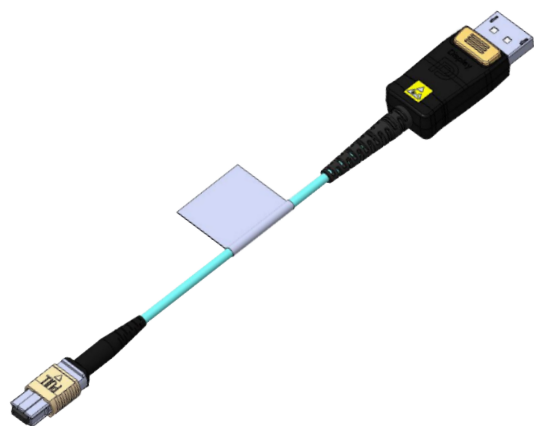


## Display-Port Active Optical Cable



### OVERVIEW

Luxshare-TECH Display-Port 1.4 active optical cable assembly can provide good performance and quality.

Luxshare-TECH AOC can support up to 8K video display, each lane operates 8.1Gbps, which the total bandwidth is 32.4Gbps. Compliant to link with all DP Type connector devices. And all the design is based on the industry standard specifications, such as DP1.4.

### FEATURES & BENEFITS

- ◆ Composed of optical fiber for added flexibility, making them thinner and lighter
- ◆ Compliant to link with all Display-Port Type connector or interface devices
- ◆ Compliant with DP1.4 HBR3 / 1.2 version
- ◆ Pluggable and hot-swappable
- ◆ Data rate: 32.4Gbps (8.1Gbps per channel)
- ◆ Support 8K / 4K / 1080p / 720p format
- ◆ Support AUX / HPD
- ◆ ROHS Compliant

### PRODUCT APPLICATIONS

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

# Display-Port Active Optical Cable

## TECHNICAL INFORMATION

### MATERIAL

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

### ELECTRICAL PERFORMANCE

Power Supply Voltage: 3.3V  
Power Consumption: 800mW  
Transmitter Type: VCSEL  
Receiver Type: PIN  
Bit Error Rate: 32.4Gbps

### SPECIFICATIONS

Compliant with DP1.4 HBR3 /1.2 version  
ROHS Compliant  
ES-12-00-0034

### Partial PN Table

PN	Form Factor	Data Rate	Media	Distance①(m)	Wavelength(nm)	Voltage(V)	Temp
PA0BB1601-CS-R	DP1.4	32.4Gbps	MMF	10m	850nm	3.3	-10/+60°C
PA0BB1602-CS-R	DP1.4	32.4Gbps	MMF	15m	850nm	3.3	-10/+60°C
PA0BB1701-CS-R	DP1.4	32.4Gbps	MMF	20m	850nm	3.3	-10/+60°C
PA0BB1801-CS-R	DP1.4	32.4Gbps	MMF	30m	850nm	3.3	-10/+60°C
PA0BB1901-CS-R	DP1.4	32.4Gbps	MMF	40m	850nm	3.3	-10/+60°C
PA0BB1911-CS-R	DP1.4	32.4Gbps	MMF	50m	850nm	3.3	-10/+60°C
PA0BB1902-CS-R	DP1.4	32.4Gbps	MMF	60m	850nm	3.3	-10/+60°C
PA0BB1903-CS-R	DP1.4	32.4Gbps	MMF	70m	850nm	3.3	-10/+60°C
PA0BB1904-CS-R	DP1.4	32.4Gbps	MMF	80m	850nm	3.3	-10/+60°C
PA0BB1905-CS-R	DP1.4	32.4Gbps	MMF	90m	850nm	3.3	-10/+60°C
PA0BB1906-CS-R	DP1.4	32.4Gbps	MMF	100m	850nm	3.3	-10/+60°C

### MECHANICAL PERFORMANCE

Application: Indoor  
Color: Orange or Aqua

### ENVIRONMENTAL

Storage Temperature Range: -20°C to +70°C  
Operating Temperature Range: -10°C to +60°C