

Displayport 1.4 Hybrid Active Optical Cable

User Manual

DEAR CUSTOMER

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or using this product. Please keep this manual for future reference.

Fibre Optic Displayport Hybrid Cable! This Cable allows you to transmit Displayport signals up to a distance of 70 m. This cable is a hybrid cable containing both fibre optic and copper cores.

KEY FEATURES

- ◆ Up to 70m Maximum Length.
- ◆ Supports computer resolutions to Ultra HD 7680×4320@60Hz/3840 × 2160@120Hz
- ◆ No driver, Plug and Play
- ◆ Do not need a separate power supply
- ◆ Compatible with Display 1.4 standard.
- ◆ Support HDCP2.2,3D,EDID.
- ◆ 70% Lighter/ Thinner than copper cable
- ◆ Wide Compatibility
- ◆ avoid EMI/RFI interference, using more safe

Applications

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

Operating Conditions

Parameter	Min	Max	Unit
Operating Temperature	0	50	°C
Storage Temperature	-20	70	°C
Relative Humidity	10	80	%RH

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Specifications

Item	Description	
Units	Transmitter (Source)	Receiver (Display)
Video Bandwidth	8.1 Gbps/x4Channel	
Supported Resolution & Distance	3840 × 2160@120Hz 5120×2880@60Hz 7680×4320@60Hz	
O/E Converter	4 channel 850 nm VCSEL array	4 CH GaAs PD array
Connector Type	Displayport	
Cable Type	Hybrid type with 4core OM3 Multimode Fiber and 7core copper wire	
Cable Length	15m/20m/30m/40m/50m/60m/70m	

Hardware install

- ◆ Displayport Plug “Source” Connector into source device,like DVD ,PC,XBOX...
- ◆ Displayport Plug “Display” Connector into sink device,like TV. monitor...



Display

Source



- ◆ Attention: Optical fiber can't be bent 180 degree,and the bending radius is not less than 20mm

Matters needing attention

- ◆ Avoid wetting the product.please keep the product away from liquid to avoid wetting the product and the danger of electric shock.
- ◆ Avoid damaging the cable.Excessive force on the cable may damage or break it. Connect all cables appropriate to avoid being damaged and hampering operation of the produt.
- ◆ Avoid external damage to the product. Do not drop,bump,scratch,hit,strong vibration the product,and do not put heavy loads on the produt.