



DP 1.4 Fiber Extender over MPO Optic Cable

General Description

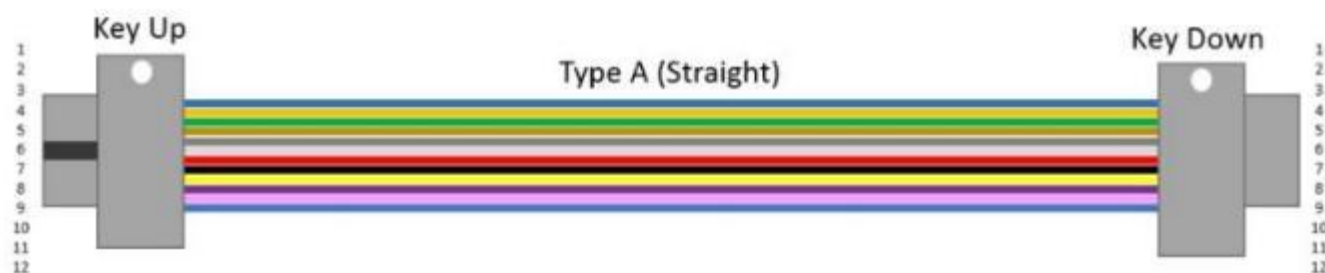
DP1.4 fiber extender over MPO optic cable is a ideal installation solution for used on home , residential , commercial integration , as well as EMC medical-grade projects . It can be replaced at any time without the need to replace the entire cable . There is no loss of signal over long distance and no EMI interference which make it as the best choice for point-to-point and distributed ultra high definition video connections .

KEY FEATURES

- ◆ Source / Display DP 1.4 Fiber Extender
- ◆ 20cm Long- each side
- ◆ DP 1.4 standard
- ◆ Support 32.4G Bandwidth with 8K/60P , 5K/4K 60P
- ◆ Support HDCP2.2
- ◆ Self-detecting function for EDID information
- ◆ HDR formats is supported
- ◆ Up to 100m(330feet) Maximum Length .
- ◆ Plug and Play

MPO Connectors

- ◆ 12-Fiber Standard MPO , Polarity Method A



- ◆ Compatible with MULTIMODE Fiber Optics OM3 OM4 OM5 (cannot work on single mode fiber)

Absolute Maximum Rating

Parameter	Symbol	Min	Max	Unit
Power Supply Voltage	VCC	4.5	5.5	V
Operating Temperature	Top	0	50	°C
Storage Temperature	Ts	-40	70	°C
Relative Humidity	Hs	10	80	%RH

Recommended Operating Conditions

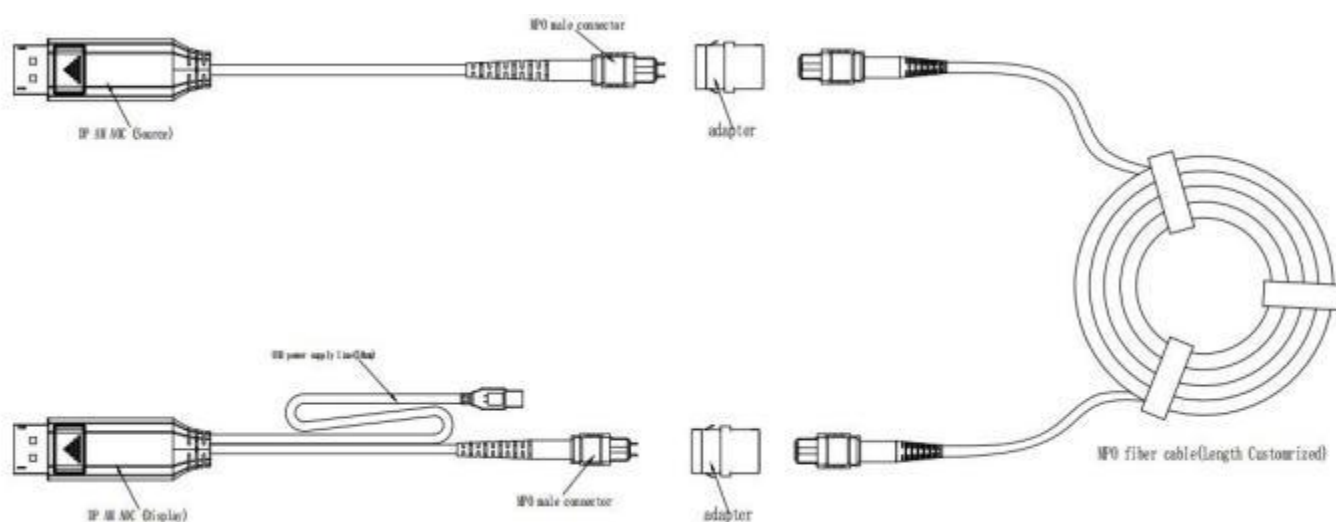
Parameter	Symbol	Min	Typical	Max	Unit
Power Supply Voltage	VCC	4.75	5.0	5.25	V
Operating Temperature	Top	0		50	°C

Specifications

Item	Description	
Units	Transmitter (Source)	Receiver (Sink)
HDCP & DDC	HDCP 2.2 Fully Support bi-directional EDID and HDCP communication	
Video Bandwidth	8.1 Gbps/x4Channel	
Resolution	480p , 720p , 1080i and 1080p deep color, 4K50/60P , 8K60P	
O/E Converter	6 channel 850 nm VCSEL array	6 CH GaAs PD array
Connector Type	DP male and MPO	
Cable Type	OD:3.0mm , Multimode 50/ 125 OM3 - 150	
Cable Outer Diameter	3.0mm	

Jacket Outer Material	LSZH
Cable Color	Aqua
MPO Insertion loss	$\leq 0.35\text{dB}$
MPO Return loss	$\geq 30\text{dB}$
Differential Input	100 ohm
Power Consumption	0.3W (Source) 0.4W (Display)

Assembly Diagram



Package Included:

1. DP1.4 Fiber Extender (20cm Long-each side)
2. MPO Adapter x 2pcs (MPO fiber cable not included in the package , can order separately if need)