

DIREKTRONIK

SPECIFICATIONS

Art:20119978



USB 10G Fiber Extender over MPO Optic Cable

General Description

USB 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 connections .

KEY FEATURES

- ◆ USB Type A Male / USB Type A Female Extender
- ◆ 20cm Long- each side
- ◆ USB 3.2/3.1/3.0 standard (not support USB 2.0/1.1)
- ◆ Support 5Gbps/ 10Gbps
- ◆ External power supply cord on USB female side
- ◆ Compatible with Multimode Fiber Optics OM3 OM4 OM5 (cannot work on single mode fiber)
- ◆ Up to 100m(330feet) Maximum Length
- ◆ Plug and Play



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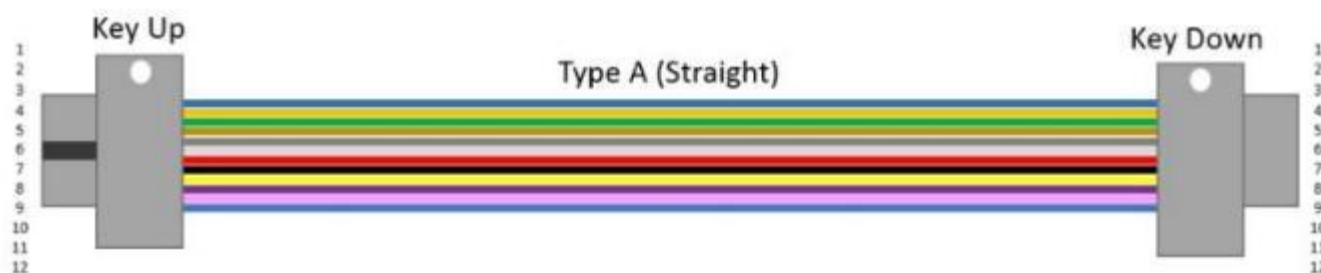


NO

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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

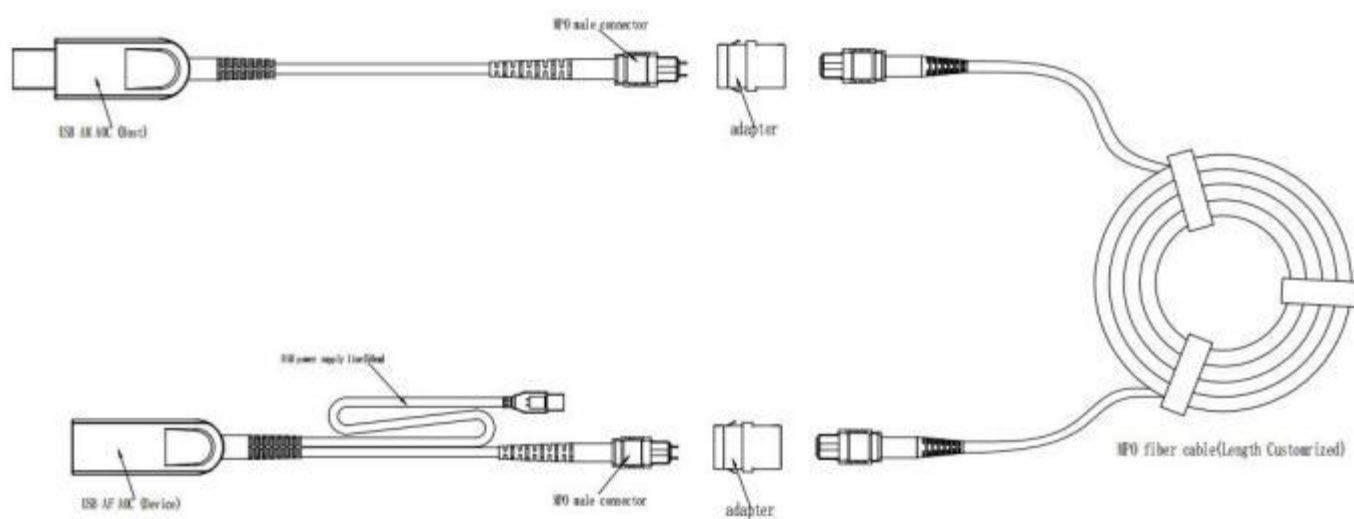
Parameter	Symbol	Min	Typical	Max	Unit
Power Supply Voltage	VCC	4.75	5.0	5.25	V
Operating Temperature	Top	0		50	°C

Specifications

Item	Description	
Data	5Gbps/ 10Gbps	
O/E Converter	2 channel 850 nm VCSEL array	2 CH GaAs PD array
Connector Type	USB A Male/ Female 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	90 ohm
Power Consumption	0.4W(Host) 0.4W(Device)

Assembly Diagram:



Package Included:

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

Attention:

Please make sure connect USB Type A male side first, then connect Type A female side and power supply cord.