



# USB 3.2 Pure Fiber Extender

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## USB 3.2 Pure Fiber Detachable Extender

### Vitex Part Number: LCP-310

**LCP-310** is Vitex's USB 3.2 Pure Fiber Detachable Extender, offering flexible connection using MPO fiber cable between Host- and Device-side USB connectors. The product set consists of TX (host) connector, RX (device) connector, and an MPO fiber cable at specific length you choose for your application.

### Features

- USB 3.2 5Gbps over pure fiber optic cable,
- Up to 1,000 feet (300 meter) connection over MPO fiber cable
- EMI/RFI resistant
- No power delivery
- Connected USB devices must be self-powered
- Not downward compatible. USB 2.0 devices not supported.
- OM3 fiber with LSZH jacket
- Different connector types available: Type A-A, A-B, and A-C.

### Applications

- Remote USB device connection
- Medical imaging, display connections
- High Speed USB Cameras
- Video games, entertainment systems
- Control Rooms
- Flight simulation and defense applications
- Digital signage



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## Product Overview

**LCP-310** enables remote USB 3.0/3.1/3.2 connections up to 1000 feet (300 meters) over MPO fiber cable. Any length of MPO cable up to 1000 ft can be used between host- and device-side USB connectors. All video and data transmission are over 100% pure optics, thereby guaranteeing superior performance and reliability, making it the perfect choice for critical environments where EMI/RFI interference must be minimized, such as medical, security, or defense applications.

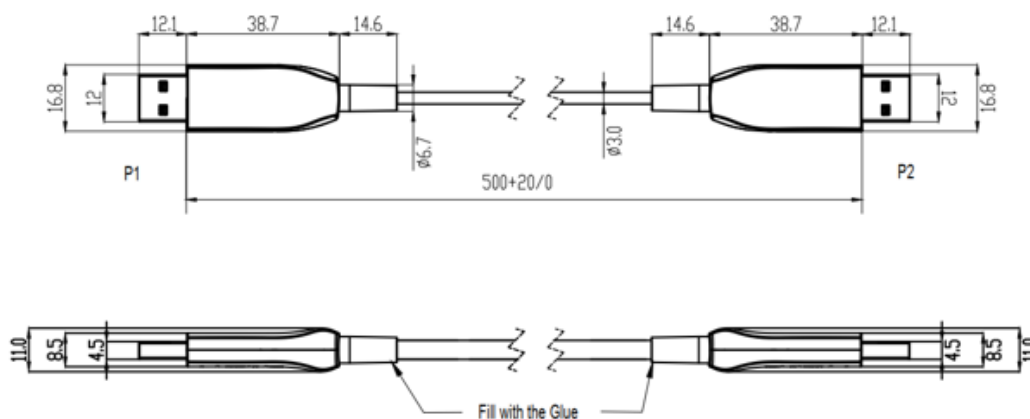
Specify the desired length of MPO cable at the time of order.

## Specifications

Parameter	Unit
Standard	USB 3.2 5G data rate
Fiber	OM3 fiber
Cable Diameter	3.0 +/- 0.2mm
Cable Materials	LZSH
Bend radius	5 mm
Connection Length	Up to 1000 ft (300m)
Connector Contact Material	Copper with Gold Plating
Operation Voltage	5V
Power Consumption	0.6W Max

## Environment

Parameter	Unit
Storage Temperature	-5 to 85°C
Operating Case Temperature	0 to 50°C
Humidity	0 to 85% RH



## Dimensions (Type A-A shown)



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### Ordering Information

Part Number	Description
LCP-310xx-yyy xx: denotes connector types (AA, AB, AC)	USB 3.2 Pure Fiber Optic Extender up to 1000ft



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### About Vitex

As a US-based fiber optic connectivity solutions partner, Vitex is relied on by network builders, operators, and OEMs to help make their ideas come to life. Vitex has developed active and passive optics for more than 20 years to help networks reach farther, go faster, and perform better. Regarded for their ability to optimize their broad portfolio of transceivers, cables, and WDMs, companies turn to Vitex when out-of-box thinking, active listening, and relentless solution-seeking are needed.

Vitex's global network of suppliers, partners, and skilled engineering staff make what if and how possible.

**We aim to be the fiber optic expert extension of your product development, engineering and procurement departments.**

### Contact Information

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