

USB 3.2 Gen 2 USB-C Full Featured Hybrid
Fiber Optic Cable

No.WST-FUH001_2



Introduction

The WST-FUH001_2 is an all-in-one, full-featured active optical hybrid cable combining data transfer (USB 3.2 Gen 2), video output (DisplayPort 2.1), and power delivery (Power Delivery 3.0), specifically designed for long-distance, high-quality transmission applications. Featuring a flexible automatic lane configuration mechanism, it supports DisplayPort 1.4 (2 lanes) paired with 10Gbps high-speed data transfer, or can switch to DisplayPort 2.1 (4 lanes) mode to deliver ultimate high-resolution AV output up to 8K@60Hz and 4K@144Hz, perfectly meeting the demands for high-bandwidth data and high-definition visual performance. Additionally, the product supports USB Power Delivery, providing up to 60W (20V/3A) for the 10m version and up to 40W (20V/2A) for the 15m version. Built with a lightweight, flexible cable structure housed in a metal shell that delivers excellent anti-interference capabilities, it achieves highly efficient integration of video, data, and power—making it ideal for conference rooms, professional AV systems, workstation extensions, and high-performance office environments.

Key Features

- Supports DisplayPort 2.1, delivering ultra-high resolution and high frame rate output up to 8K@60Hz and 4K@144Hz.
- Data transfer rates up to 10Gbps, with backward compatibility for USB 2.0/1.1.
- Supports automatic switching between DisplayPort 1.4 (2-lane) + USB 3.2 Gen 2 (10Gbps) mode and DisplayPort 2.1 (4-lane) + USB 2.0 mode, providing a flexible and highly compatible transmission configuration.
- Plug and play; no driver installation required.
- Supports USB Power Delivery 3.0, providing power delivery up to 60W (10m) and 40W (15m).
- Filled with high-tensile strength fibers, combining a lightweight, flexible design with high tensile resistance for easier, more durable installation and cable routing.
- Features superior EMI/RFI immunity to ensure stable and reliable signal transmission.

Package Contents

USB 3.2 Gen 2 USB-C Full Featured Hybrid Fiber Optic Cable x 1

Product Family

Item No.	Length	Power Delivery (Max)
WST-FUH001	10M	60W
WST-FUH002	15M	40W

Specifications

Connector	
Connector A	USB Type-C Male
Connector B	USB Type-C Male
Connector Plating	Nickel Plated
Pin Plating	Gold Plated
Housing	
Housing Material	Aluminum
Size W x D x H	12.6 x 44.5 x 8mm
Cable Construction	
Jacket Material	PVC
Jacket Color	Black
Jacket Diameter	6.5mm
Minimum Bending Radius	20mm
Conductor Material	5 x Optical Fibers + 12 x Tinned Copper Wires
Technical Specifications	
Standard	USB 3.2 Gen 2, DisplayPort 2.1(4-lane)
Supported Bandwidth	10Gbps (USB 3.2 Gen 2), 32.4Gbps (DisplayPort 2.1)
Maximum Resolution	7680x4320@60Hz, 3840×2160@144Hz
Power Delivery	Power Delivery 3.0 :
	10m: Up to 60W (20V/3A)
	15m: Up to 40W (20V/2A)
Environment	
Operating Temperature	0° C~60° C
Storage Temperature	-10° C~60° C
Package	
Package Style	Box
Certification	
Safety & Emission	CE / FCC / RoHS / REACH