FUCC-3205

Full Feature Active optical Cable - USB 3.2 GEN 2 (10 GBPS)

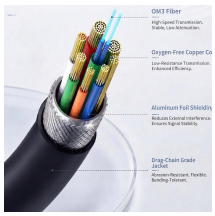
Supporting 8K@60Hz & 4K@144Hz UHD

Highlights:

- LED indicator for working status
- UHD Video Resolutions: DP1.4 up to 8K@60 Hz & 4K@144 Hz
- High Bandwidth: USB 3.2 Gen 2, up to 10Gbps super speed
- Universal Compatibility: backward compatible (2.0, 3.0/3.1 Gen 1)
- Power Delivery: PD 2.0, 60W (20V/3A) to 100W (20V/5A)
- Durable Construction: Zinc-alloy housing, nickle-plated
- Easy Identification: directional design with laser marking identifying
- Easy Installation: true plug and play solution
- Hybrid (fiber+copper) design highly resistant to EMI and RFI
- Custom logo, packaging and length up to 15m









Product information:

| For Video, Data & Power connections |

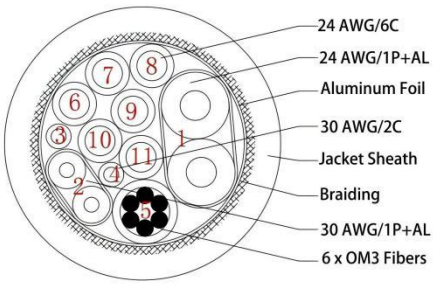
The FUCC-3205 is a USB Type-C active optical cable featuring a slimline design, compatible with USB 3.2 Gen 2 for 10Gbps super speed and DP 1.4 for 8K@60 Hz & 4K@144 Hz UHD resolution. It utilizes OM3 optical fiber for high-speed signal transmission, surpassing traditional copper wires. This ensures exceptional signal quality and superior performance in speed and distance, supporting USB 2.0, USB 3.0, USB 3.2 Gen 2, and DP 1.4 data transmission.

Designed for flexibility and lightweight handling, the cable is ideal for contemporary peripheral devices such as immersive AR/VR devices, conference room cameras, machine vision systems, CCTV, and storage devices that use USB 3.2 Gen 2 Type-C connections.

- Up to 10 Gbps, 20 times faster than USB 2.0 and 12 times faster than copper wire.

- Rapid power and charging capabilities for laptops, tablets, and phones.

- Compatibility with various USB Type-C peripheral devices, including external video conference cameras.



Hybrid Cable Structure

Certification:

Properties:



Product Features:

Application	AV & IT & Medical
Series	Connect Series

To improve our products continuously, we reserve the right to change specifications without notification.

Specifications:

Item	Description
USB Version Supported	USB 2.0, USB 3.0, USB 3.2 Gen2
Video Resolution	DP 1.4, up to 8K/60Hz, 4K/160Hz
Bandwidth	• USB 2.0 480Mbps • USB 3.1 Gen 1: 5.0Gbps • USB 3.2 Gen 2: 10.0Gbps • DP 1.4: 8.1Gbps ×4 Lane alternate, maximum 32.4Gbps
Display Extension Support	Yes, computer must support Alt-mode Display Port
Power Delivery	• Length=5m: 100W (20V 5.0A); • Length=10m: 70W (20V 3.5A); • Length=15m: 60W (20V 3.0A)
Cable Dimensions	• 0.25 inch cable diameter (6.0 mm)
Connector	
Type	USB-C to USB-C
Pull-out Force	2KGs
Life Test	> 10000 cycles
Cable	
Type	Hybrid Cable (OM3 Fiber + Copper)
Outer Jacket	Black, TPE, 6.0mm (Ø)
Optional Length (Tolerance±30cm)	3m/4m/5m/6m/7m/8m/10m/12m/15m
Bending Radius	35mm(Min.)
Tensile Strength	200N
Working Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F).
Relative Humility	5% to 90% (non-condensing)

Ordering Information:

- FUCC-3205-003 - 3 meters
- FUCC-3205-004 - 4 meters
- FUCC-3205-005 - 5 meters
- FUCC-3205-006 - 6 meters
- FUCC-3205-007 - 7 meters
- FUCC-3205-008 - 8 meters
- FUCC-3205-010 - 10 meters
- FUCC-3205-012 - 12 meters
- FUCC-3205-015 - 15 meters

Remark: customized length up to 15meters