

## USB 3.2 Gen2 Full-Function Active Optical Cable (AOC) USB Type-C to Type-C

10Gbps | 8K Video | PD 60W

This cable is a state-of-the-art solution that converts USB 3.2 Gen2 electrical signals into optical signals, allowing for seamless transmission over distances of up to 15 meters without any loss or latency.

This hybrid design incorporates multimode fiber for fast data transfer and copper wires for control signals, making it ideal for connecting USB-C monitors with resolutions up to 8K@60Hz or 4K@144Hz Ultra HD to compatible computers.

Featuring USB 3.2 Gen2 Type-C Male connectors, the cable supports data rates of up to 10 Gbps and is backward compatible with USB 2.0.

Constructed with gold-plated contacts, a robust zinc alloy housing, and aluminum shielding to minimize interference, it's perfect for a variety of devices, including computers, cameras, and projectors.

Additionally, it meets RoHS and REACH standards and supports Power Delivery of up to 60W, ensuring versatility and reliability in performance.



<b>10</b> Gbps	<b>8K</b> 60Hz	<b>PD</b> 60W	<b>DP 1.4</b> 2-Lane	<b>AOC</b> Hybrid	
SuperSpeed 10Gbps	8K@60Hz 4K@144Hz	Power Delivery Up to 60W*	DisplayPort 1.4 Alt Mode	Active Optical Cable	EMI / RFI Protection

\*PD 60W (5m/10m), PD 40W (15m)

### FEATURES

- USB 3.2 Gen2 SuperSpeed data transfer up to 10Gbps
- Active Optical Cable for long distance transmission
- Supports 8K@60Hz and 4K@144Hz Ultra HD video
- DisplayPort 1.4 Alt Mode (2-Lane)
- Power Delivery up to 60W\* (PD 40W at 15m)
- Hybrid fiber and copper construction
- Gold-plated contacts and gold-plated shell
- Premium zinc alloy housing for durability
- Highly resistant to EMI and RFI
- Plug & Play – No external power required
- Backward compatible with USB 2.0
- Available in 5m, 10m and 15m lengths

### APPLICATIONS

 USB-C Monitors	 Video Conferencing Systems	 Interactive Flat Panels	 Laptops & Workstations
 Gaming Systems	 Professional Cameras	 Projectors	 Digital Signage
 Broadcast & Streaming	 Corporate Meeting Rooms	 Medical Visualization	 Training & Education Rooms
 AV Control Systems	 Computers	 Docking Stations	 VR / AR Systems

### AOC TECHNOLOGY BENEFITS

#### Why Active Optical Cable?

Traditional USB-C copper cables experience signal loss over longer distances. PEAPSONIC Hybrid AOC technology combines:

 High Speed 10Gbps	 Zero Signal Loss	 Lightweight & Flexible	 Small Bend Radius	 EMI / RFI Immunity	 Long Distance Reliability
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### SPECIFICATIONS

Interface	USB 3.2 Gen2
<b>Connectors</b>	
Connector 1	USB 3.2 Gen2 Type-C Male (Source)
Connector 2	USB 3.2 Gen2 Type-C Male (Display)
<b>Performance</b>	
Data Transfer Rate	Up to 10Gbps
Video Resolution	Up to 8K@60Hz or 4K@144Hz
Display Support	DP 1.4 Alt Mode (2-Lane)
<b>Power</b>	
Power Delivery	Up to 60W (5m / 10m) or 40W (15m)
Power Supply	5V (Non external power required)
Power Wire	24AWG (41/0.08mm Tinned Copper)
<b>Construction</b>	
Fiber	Multimode Fiber (4*0.20mm)
Contact	Gold Plated
Shell	Gold Plated
Housing	Zinc Alloy
Shielding	Aluminum Foil + Braiding
Jacket	TPE
Cable Diameter	4.5 – 5.0 mm
<b>Others</b>	
Compliant	RoHS, REACH
Standards	USB 3.1 Standard, Backward Compatible with USB 2.0
EMI / RFI	Highly Resistant to EMI and RFI
Max Length	15 Meter

### AVAILABLE LENGTHS

<b>5 Meter</b>  <ul style="list-style-type: none"> <li>• 10Gbps</li> <li>• 8K Video</li> <li>• PD 60W</li> </ul>	<b>10 Meter</b>  <ul style="list-style-type: none"> <li>• 10Gbps</li> <li>• 8K Video</li> <li>• PD 60W</li> </ul>	<b>15 Meter</b>  <ul style="list-style-type: none"> <li>• 10Gbps</li> <li>• 8K Video</li> <li>• PD 40W</li> </ul>
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\*PD 60W (5m/10m), PD 40W (15m)