

# OptoUSB USB 3.1 AOC Assemblies



**OptoUSB USB 3.1 Active Optical Cable Assemblies offer familiar passive plug-and-play interfaces with reliable signal integrity performance up to 100.0m, and they deliver uncompressed video with superior resolution**

## Features and Advantages

### High-speed fiber optics

Transmits data over long lengths (up to 100.0m) without multiple connection points. Offers reliable signal integrity. Provide a future-proofed cable solution

### Available with standard type A and type C connectors

Appropriate for a range of applications



*Molex OptoUSB USB 3.1  
AOC Assembly*

### USB 3.1 Gen 2 cables support 10 Gbps

Capable of greater data transfers on a single cable, making it ideal for augmented reality/virtual reality, high-definition cameras, high-speed storage and high-performance USB devices

### EMI/RFI resistant

Delivers stable performance in high-interference environments

## Markets and Applications

### Consumer

- Personal computers
- Blu-ray/DVD
- Set-top boxes
- Monitors
- Laptops
- Gaming consoles



Smart Phones and Tablets



Patient Monitoring



AR/VR Headsets

### Smart Phones and Mobile Devices

- Tablets
- Augmented reality/virtual reality (AR/VR)

### Medical

- Surgical equipment
- Patient monitoring

### Industrial Automation

- Monitors

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## Specifications

### MECHANICAL

Cable Color: Natural  
Cable Diameter: 5.00mm  
Bulkhead Dimensions: 9.00 by 18.00 by 37.00mm  
Minimum Bend Radius: 10.00mm  
Length: 5.0, 10.0, 15.0m  
Cable Weight: 19.7 g/m  
Cable Horizontal Tensile Strength: 280N  
Pull Force: 200N

### PHYSICAL

Backshell: All Alloy, Anodic Oxidation  
Contact: Copper  
Cable: Fire Retardant PVC with 5X Copper Wires and  
2X MultiMode Fibers  
Operating Temperature: -0 to +70°C

## Ordering Information

| Series No.                  | Connector | Lengths (m)                  |
|-----------------------------|-----------|------------------------------|
| <a href="#">106413-4xxx</a> | USB       | 1, 3, 5, 10, 20, 30, 50, 100 |

| Custom Product                | Description                   |
|-------------------------------|-------------------------------|
| <a href="#">Contact Molex</a> | Custom OptoUSB AOC Assemblies |

[www.molex.com/link/optocableassemblies.html](http://www.molex.com/link/optocableassemblies.html)

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