

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)
106413-4xxx	USB	1, 3, 5, 10, 20, 30, 50, 100

Custom Product	Description
Contact Molex	Custom OptoUSB AOC Assemblies

www.molex.com/link/optocableassemblies.html

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