C2G Performance Series USB Active Optical Cables (AOC) are an innovatively designed solution for video conferencing and extending USB signals in corporate and educational spaces like meeting spaces, classrooms, and other commercial applications requiring USB data transfer speeds up to 10Gbps. The cable's fiber strand construction reduces the risk of EMI/RFI, providing stable performance when used in high interference environme nts ensuring reliable data communication.

We have designed and engineered our USB AOCs with quality components to give a robust, durable design and fast data transfers, ideal for installation needs that are beyond the length limitations of standard, passive USB cabling. The cable jacket meets the fire code requirements for installation within plenum spaces, like a dropped ceiling.

USB AOCs can only run in one direction. This USB AOC cable features a unidirectional design which requires the cable to be installed in a specific direction. The USB-A connector is intended to connect to the source computer, while the USB-B connector is meant to connect to the device. Most USB devices can be powered by the connected source device and may not require external power. If additional power is needed, an integrated USB-C power pigtail is included on the USB-B end of the cable—ideal for high power commercial USB cameras and devices.

Our engineers have completed extensive compatibility and verification tests with various source computers and devices to validate that these USB AOCs will withstand real-world applications and scenarios.

With these being a part of the C2G Performance Series, they include:

- Commercial grade connectors that feature compact overmolding for high-density environments
- Integrated finger grips on the top, bottom, and sides for easy insertion and removal

Note: Use a USB-C to USB-A cable for additional power. Connect the USB-C to USB-A cable to the integrated USB-C power pigtail on the display end of the cable and power source. We recommend using C2G parts 28871 and 22335.

FEATURES:

- Supports all USB 3.2 Gen 2 features including data transfer speeds up to 10Gbps and power delivery up to 5W, far beyond passive USB length limitations
- Backward compatible with USB 3.1, 3.0 & 2.0, so it will work with various USB devices
- Plenum CMP rated jacket, so you can safely run the cable inside plenum spaces, meeting the requirements for an installation in a commercial space
- Integrated finger grips on the connectors for easy insertion and removal

Features & Benefits

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Specifications

General Info

Product Line	C2G	Color	Black
UPC Number	757120300908	Country Of Origin	China
Application Sector	Commercial, Residential	Warranty Type	5-Year
Type	Active Device, Cable		

Dimensions

Product Length US	125.0 FT	Cable Length	125 ft

Listing Agencies / 3rd Party Agencies

CE Certified	Yes	FCC Compliant	Yes
REACH Compliant	Yes		

Technical Information

Jacket Material	PVC (Polyvinyl Chloride)	Storage Humidity	30-75% RH
Jacket Application	Plenum Rated	Bend Radius	55 mm

Conductor Stranding	Stranded	Signal Transmission	Bidirectional
Cable Type	Active Optical Cable (AOC), USB	Jacket Rating	CMP Rated
Cable Diameter	9 mm	Data Transfer Rate	10 Gbps
Connector 2	USB-B Male, USB-C Female	Connector 1	USB-A Male
Power Delivery	5 W	Operating Temperature	-20°-70°C
Operating Humidity	30-75% RH	Voltage	20.0 V
Storage Temperature	20° - 30° C		

Conductor Stranding	Stranded	Signal Transmission	Bidirectional
Cable Type	Active Optical Cable (AOC), USB	Jacket Rating	CMP Rated
Cable Diameter	9 mm	Data Transfer Rate	10 Gbps
Connector 2	USB-B Male, USB-C Female	Connector 1	USB-A Male