Pro AV/IT Integrator Series™ USB 10G (3.2 Gen 2) USB-C 4K AV and Data Active Optical Plenum Cables up to 32.8ft

Comprehensive's Pro AV/IT USB 10G 4K AV Active Optical Plenum Cables are bus powered and can extend the distance of USB connectivity with consistent and reliable signal performance. This AOC cable adopted the USB 3.2 Gen 2 technology and supports USB SuperSpeed 10Gbps data transmission, 4K AV (via DisplayPort Alt Mode) and power delivery 60 watts up to 32.8 ft lengths. These active optical extended cables are plenum rated for commercial installing of safe in-wall applications. This cable meets all bandwidth requirements of USB 3.2 Gen II and is backward compatible to USB 3.1, 3.0 & 2.0 peripherals.

Designed for U.C.C., Video Conferencing, Remote Work and Learning Applications

These Pro AV/IT Active Optical Plenum cables were specifically designed for today's business and education installations including U.C.C., Video Conferencing, Remote Work and Learning applications. It extends USB webcams, PTZ cameras, keyboards, mice, USB Hubs, USB microphones, external drives, flash sticks, VR headsets, printers, scanners and other digital devices.

Supports 4K AV & 60W Power Delivery

This Pro AV/IT Active Optical Plenum Type C to C cable is featured to support 4K60 video (via DP Alt Mode) and simultaneously delivers power charging up to 60 Watts.

Active Chipset Ensure End to End Signal Performance

With integrated chipsets, Pro AV/IT USB 10G Active Optical Plenum Cables ensure up to SuperSpeed 10G performance at longer lengths up to 33ft.

Thin, Flexible Design Makes for Easy Installation

This low-profile USB 3.2 Type-C Gen 2 AOC cable is flexible yet built to last, with durable premium construction, molded strain relief and high quality Shielded Twisted Pair (STP) construction, helping to prevent electro-magnetic interference and ensuring reliable data communication.

Compatible With Most Operating Systems

Supports all major operating systems including Windows®, MacOS®.

Plenum Rated (CMP) Cable Jacket

Comprehensive's USB 3.2 10G 4K AV extended cable is Plenum (CMP) rated, which is suitable for commercial installations.

Backwards USB 3.1, 3.0 and 2.0 Compatibility

Comprehensive's USB SuperSpeed 10G cable provides fast USB 3.2 signal performance, but is also conveniently backwards compatible, providing support of USB 3.1, 3.0 and 2.0 signals as well.

Worry-Free Lifetime Warranty

Value is knowing a product you buy today will work for you tomorrow and in the years to come. At Comprehensive, we are dedicated to providing you with the best professional cable and connectivity products money can buy at a fair price. We cover all of our cables with our exclusive Worry-Free Lifetime Warranty. So, when you purchase a Comprehensive cable product, you can be assured it will keep on working and last a lifetime.

Features

- Designed for U.C.C, video conferencing and remote work and learning environments
- Supports data transfer speeds up to 10 Gbps and power delivery up to 60 watts for all lengths
- Supports 4K video up to 4K@60 with DisplayPort 1.2 Alternate Mode
- Extends webcams, PTZ cameras, keyboards, mice, USB Hubs, USB microphones, external drives, flash sticks, VR headsets and other digital devices
- SureLength™ indicators on the connector heads make it easy to organize for installations
- Supports all major operating systems including Windows® and MacOS®
- Backward compatible with USB 3.1, 3.0 & 2.0
- UL CMP-OF/FT-6 rated for all plenum applications
- RoHS Compliant
- Lifetime Warranty

LIFETIME WARRANTY
Comprehensive
Est. 1974

USB CABLES

Pro AV/IT Integrator Series™ USB 10G (3.2 Gen 2) USB-C 4K AV and Data Active Optical Plenum Cables up to 32.8ft

USB C CABLES

Product Tips

- This Active Fiber Optic Cable contains an active chip to process and distribute the data signal which will work with most equipment. As with any active cables, in some cases, there can be performance or compatibility challenges with certain laptops, PCs, cameras or other USB devices depending on a variety of system conditions. Please contact our support department if you experience any of these type of issues.
- This cable features a uni-directional design which requires the cable to be installed in the correct direction. One USB-C connector is marked "Source" and the other USB-C connector is marked "End" to ensure that the source and the destination USB device are properly connected.
- The cable may not be compatible if the USB device only supports DP signal over four lanes.
- Being a Fiber Optic cable, it must be handled with extra care compared to a copper cable during installation as extreme force and/or excessive or sharp bends could potentially damage or break the fiber optic cable inside.

Specifications

Performance & Resolution

Chroma Sampling: 4:4:4

Data Speed: Up to 10 Gbps

Max Distance: Up to 32.8 feet (10M)

Power Delivery: Up to 60 Watts

Resolution and Refresh Rate: Supports DP Alt Mode up to 4K@60 (4:4:4)

Performance Grade: Best / Commercial Grade

Operating Systems: Windows ® 8 & Up, macOS® 10 & Up

Signal Technology Version: USB 3.2 Gen 2

Backward compatible: USB 3.1, 3.0 & 2.0

Physical Characteristics

Bend Radius: 27 mm (1.06")

Cable Outer Diameter (OD): 5.4 mm (0.22")

Conductors: Copper & optical fiber

Color: Black

Connector Finish: Gold plated

Dimensions (W x H x D): 0.64" x 0.34" x 6"

Directional: Yes (one way only)

Gauge (AWG): Copper: 24 AWG

Optical: OM3

Jacket Type: Plenum PVC

Packaging: Ziplock Bag

Shielding: 85% tin copper shielded

Environmental

Temperature: 0- 50°C

Connections

Connector Side 1: USB Type C male (Source)

Connector Side 2: USB Type C male (End)

Power & Electrical

DC Resistance: 25Ω Maximum

Insulation Resistance: 100Ω Minimum

Nominal Attenuation: No attenuation

Skew: 350ps Maximum

Voltage: 20V

Regulatory

ATC Certification: No

CE: Yes

CMP Rated: Yes

Prop 65 Compliant: No

Rohs Compliant: Yes

UL Rated: CMP

Weight (Shipping)

15 ft: 1.95 lbs, 20 ft: 2.75 lbs, 25 ft: 3.5 lbs, 32.8 ft: 4.2 lbs

What's In The Box

USB Type C to C AOC Plenum Cable x 1

Warranty

Worry-Free Lifetime

USB10G-CC4K-15PROPAF	15ft
USB10G-CC4K-20PROPAF	20ft
USB10G-CC4K-25PROPAF	25ft
USB10G-CC4K-33PROPAF	32.8ft