

Type-C optical cable



Summary of Content

A Type-C optical cable is a USB-C cable that uses fiber optics to transmit data, video, and power over long distances with high speed and minimal signal loss.

Overview

USB Type-C optical cables, also known as Active Optical Cables (AOC), replace traditional copper wiring with optical fiber to achieve high-speed data transfer, extended range, and reduced electromagnetic interference (EMI). They are designed for applications requiring reliable, long-distance connectivity, such as VR/AR devices, 4K/8K video displays, digital signage, and conference room cameras .

Key Features

- **High Data Transfer Rates:** Most Type-C optical cables support 5-10 Gbps for USB 3.2 Gen 1/2 and up to 40 Gbps for USB4, enabling fast file transfers and smooth video streaming .
- **Video Support:** Many cables support DisplayPort Alternate Mode, allowing 4K@30-60Hz or even 8K@60Hz video output, ideal for monitors, projectors, and VR headsets .
- **Power Delivery (PD):** Optical Type-C cables can deliver up to 60-100W, sufficient to charge laptops, tablets, and other USB-C devices while transmitting data and video .
- **Long-Distance Transmission:** Unlike copper cables, optical cables can maintain high-speed performance over 10-100 meters, depending on the model, without signal degradation .

Article Content

Optical Cables by Corning Thunderbolt Male Optical Cable, 15m

Corning's Thunderbolt 3 optical cables enable high-speed connectivity over longer distances. They are thin, light, and remarkably

USC-CC32

Description USB 3.2 Gen 2x1 Type C Active Optical Cable, USC-CC32 transmits Superspeed USB 10Gbps data up to 15m (50ft).

USB-C Active Optical Cable (15m/49ft)

The CAB-USBC-15 is an active optical USB-C to C cable capable

USB 3.1 AOC, Type-C to Type-C, Hybrid 10Gbps USB ...

The USB 3.1 GEN2 Type C to Type C Active Optical Cables are designed for current peripheral devices using the latest USB Type-C

USB-C Active Optical Cable (15m/49ft)

The CAB-USBC-15 is an active optical USB-C to C cable capable of transmitting A/V and data 15m/49ft. USB data is rated up to

10m USB-C Active Optical Cable OEM& ODM Factory

The USB-C Fiber Active Optical Cable supports contemporary peripheral devices that utilize the latest USB

Copper USB-C Cable Vs USB-C AOC (Active Optical Cable

Performance: Conventional cables struggle with high-bandwidth data over long distances. USB-C Active Optical Cable deliver

Fiber-optic cable

Different types of cable are used for fiber-optic communication in different applications, for example long-distance

10 m Ultra HD USB-C Active Optical Cable

The UE3410F is a USB-C full-featured active optical cable that handles high-speed data and video

Suchergebnis Auf Amazon Für: Usb C To Optical Cable

Duttek USB C zu Toslink Optik Stereo Konverterkabel 0.2 m, unidirektional, USB C Stecker auf SPDIF Buchse, geeignet für

Arklove 1ft USB c to Optical Cable Opt Male Type-c to Digital Optical ...

Buy Arklove 1ft USB c to Optical Cable Opt Male Type-c to Digital Optical Fiber Optic Audio Interface Female Adapter Wire Toslink

Optical Cables by Corning Thunderbolt 3 USB Type-C Male ...

Product description Connect your Thunderbolt 3-compatible devices together at up to 16.4" apart using the Thunderbolt 3 USB Type

USB C Fiber Optic Cable, USB 3.2 Gen2 Active USB C Cable

USB C Fiber Optic Cable, USB 3.2 Gen2 Active USB C Cable 10Gbps, Ultra Slim & Long Distance for Business Solution,Logitech 4K

Optical Cables by Corning Thunderbolt 3 Optical Cable (32.8")

The Optical Cables by Corning Thunderbolt 3 USB Type-C Male Optical Cable supports up to 40Gb/s by using high quality optical

33FT USB C Fiber Optic Cable Full-Featured, 10Gbps, 4K@60Hz

About this item All-in-One USB-C Fiber Optic Solution: This USB 3.2 Gen 2 cable supports 10Gbps lossless data transmission,

Cables

USB4 Active Optical Cables USB4 40Gb/s Active Optical Cables The fastest, most powerful, and reliable cost-effective solution for

CAB-USBC-AOC1000E | 10m USB-C Active Optical Cable

This Type-C to Type-C USB 3.2 Gen 1x1 active optical cable offers data speeds up to 5Gbps and allows users to connect their laptop

TRIPP LITE USB-C Fiber 4K @ 60Hz Video Cable, USB 3.2 Active Optical ...

4K USB-C CABLE CONNECTS HOME THEATER, OFFICE AND DIGITAL SIGNAGE COMPONENTS: This USB Type-C to USB

USB Type-C Active Optical Cable | Cable assemblies

It combines USB Type-C flexibility with DisplayPort performance for convenient connectivity. As shown in

Suchergebnis Auf Amazon Für: Usb C Optical Cable

OWC 3m Active Optical USB4 USB-C Kabel - 40Gb/s High-Speed Datenübertragung, 60W Power Delivery, 8K Display Support,

Active USB-C™ M/M AOC Fiber Optic Cable 4K 20m

Active Optical Cable (AOC) fiber optic cable with USB-C™ male / male gold-plated connections; The

Optical Cables by Corning Thunderbolt 3 Optical Cable (16.4")

Connect your Thunderbolt 3 compatible devices together at up to 16.4" apart using the Thunderbolt 3 Male Optical Cable from Optical

Optical fiber connector

Optical fiber connectors are categorized into single-mode and multimode types based on their distinct

USB Active Optical Cable AOC, Plenum-Rated, USB-C to USB-C, 10

Features Active Optical Cable Connects Servers, Hard Drives and Other USB-C Components This USB 3.2 Gen 2 fiber optic cable

Optical USB Cables

Our latest USB 3.2 Gen 2 type-C Fiber Active Optical Cable is capable of high speed transmitting up to

USB 3.Optical™ Cables | OEM Optical Communication Solutions

USB 3.Optical™ Cables by Corning connects computers and devices at incredible speed and over longer distances. They're thin,

USB AOC

USB 3.1 AOC, Type-C to Type-C, Hybrid 10Gbps USB 3.1 GEN 2 Active Optical Cable The USB 3.1 GEN

Active Optical Cable USB Type C

In standard version, the USB Type C protocol supports all performance levels over a maximum distance of 1 meter. Our USB Type C

USB Type-C Active Optical Cable | Cable assemblies | CANARE

Product information on CANARE'S USB Type-C Active Optical Cable Fibre optic USB cable, DisplayPortAlt mode compatible.

ANDTOBO USB C to Optical Audio Cable 4.1FT Braided USB C

Hi-fi Sound Quality: The USB C cable fiber optic connector provides 192KHz/32bit high-resolution audio for lossless surround

OWC USB4 Active Optical Cable: Up to 40Gb/s

By combining cutting-edge optical design with our decades-proven attention to quality, we created the

10 m Ultra HD USB-C Active Optical Cable

USB-C Active Optical Cable vs HDMI Active Optical Cable Use Case: Dual-Camera Deployment In large meeting room deployments,

What is Fiber Optic USB C Active Optical Cable

Overall, USB-C Optical Cables are a versatile and powerful solution for connecting devices over long

usb c fiber optic cable | Newegg

Search Newegg for usb c fiber optic cable. Get fast shipping and top-rated customer service.

10 Best USB-C To Optical Audio Adapters 2026 For Clean Digital Sound

The best options keep setup simple while delivering stable optical output. In this roundup, we focus on USB-C to

Contact Us

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