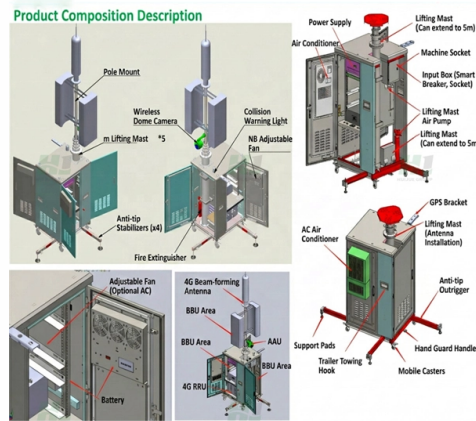


C-type optical cable



AI Overview

USB Type-C fiber optic cables enable high-speed data, 4K/8K video, and power delivery over long distances with minimal signal loss. Overview USB Type-C fiber optic cables, also known as Active Optical Cables (AOC), use optical fibers instead of traditional copper wires to transmit data and video signals. This allows them to maintain high bandwidth and signal integrity over longer distances than standard copper USB-C cables, making them ideal for connecting laptops, monitors, projectors, and docking stations. Key Features High-Speed Data Transfer: Supports USB 3.2 Gen 2 (up to 10 Gbps) and USB 4.0 (up to 40 Gbps) for fast file transfers and low-latency applications. Video and Audio Support: Compatible with DisplayPort Alternate Mode, enabling 4K@60Hz/120Hz and 8K video with HDR, 10-bit color depth, and Display Stream Compression. Power Delivery: Can deliver up to 100W of power, suitable for charging laptops, tablets, and other USB-C devices. Long-Distance Transmission: Optical fiber allows signal transmission over 10 meters or more without degradation, unlike copper cables which are limited in length. Flexible and Slim Design: Easier to route around corners and tight spaces due to smaller diameter and flexibility. Reversible Connector: USB-C connectors are reversible, ensuring easy plug-in without worrying about orientation. Applications Professional Workstations: Connecting high-resolution monitors or multiple displays for video editing, gaming, or CAD applications. Home Theater and Digital Signage: Transmitting 4K/8K video and audio to TVs, projectors, or commercial displays. Data Centers and Offices: High-speed data transfer between laptops, docking stations, and servers over longer distances. Portable Devices: Charging and syncing laptops, tablets, and smartphones while maintaining high-speed data transfer. Advantages Over Copper Cables Longer Reach: Optical cables can transmit signals over longer distances without signal loss. Higher Bandwidth: Supports higher data rates and video resolutions. Reduced In...

Article Content

5m USB 3.2 10Gbps C/C Active Cable

Reliable USB-C performance beyond standard cable limits, with active technology enabling extended 5m connections for meeting rooms and longer desk setups
Supports USB 3.2 data transfer speeds

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 Active Optical Cable (AOC) is therefore the solution for extending this

4-Core Single mode Fiber Optic Cable

4-Core Single mode Fiber Optic Cable also called 4-core Optical fiber cable, is a type of communications optic cable which has the same transmission speed as

Lindy 15m USB 3.2 10Gbps & DP 1.4 Type C Fibre Optic Hybrid Cable

Experience 10Gbps, 4K144, and 60W power with the Lindy 15m USB-C fibre optic hybrid cable—built for pro AV and long-distance setups.

Wanbao OEM/ODM 10G SFP+ FTTH Active Optical Cable (AOC) for

Key attributes Model Number 10G SFP+ FTTH Active Optical Cable (AOC) Type Fiber Optic Cable Brand Name Wanbao/OEM Place of Origin Shanghai, China

USC-CC32

USB 3.2 Gen 2x1 Type C Active Optical Cable, USC-CC32 transmits Superspeed USB 10Gbps data up to 15m (50ft). USC-CC32 delivers 100W of power at 10m

2026 Top 8 Optical Fiber Cable Manufacturer in USA

1. Market Overview: Leading Fiber Optic Cable Suppliers ... 2. Top 8 Optical Fiber Cable Manufacturer Corning Inc. - The Innovation Pioneer Since developing the first low-loss optical fiber

Lindy 50m USB 3.2 5Gbps Type A to C Fibre Optic Hybrid Cable | 43397

Lindy 50m USB 3.2 A to C hybrid cable supports 5Gbps, CPR fire rating, low EMI/RFI, and is ideal for in-wall installs with self-powered USB-C devices.

Products

The Cisco USB-C Optical Cable 9m is an active USB type-C cable using optical fiber that can transmit USB 2.0, USB 3.1 Gen 1, and 2-lane DP 1.4 data with excellent signal quality at high

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 Superspeed 5Gbps for fast file

What is Coaxial Cable

Coaxial cable is typically used by cable operators, telephone companies, and internet providers to transmit data, video, and voice communications to customers. Its installation and

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 3.2 Gen 2 Type-C connection including immersive

Lindy 15m Fibre Optic Hybrid USB Type C Cable, Audio / Video Only

Lindy's Fibre Optic Hybrid USB Type C Cables are the professional solution for the transmission of USB video and audio signals over longer distances. Combining the long-distance capabilities, flexibility

What is a Subsea Fiber Optic Cable

1. What is a Submarine (Subsea) Fiber Optic Cable? Submarine fiber optic cables carry over 99% of international data traffic. Unlike terrestrial cables,

MPO/MTP-24 Female to Female OM4 Fiber Patch Cable | Type C

Featuring unpinned Female-to-Female connectors, Type C (Pair-Flipped) polarity, and a dual-row 24-fiber layout, this cable is optimized for specialized structured cabling architectures.

Fiber Optic Cables | Fiber Patch Cables | Patch Cords, Duplex

Fiber Patch Cables, Multimode & Singlemode Duplex Fiber Optic Cables, Secure Order Fiber Patch Cords, Preferred Mil. Edu. Gov. Pricing, Same Day Shipping From CA USA, Verified Reviews

Fiber Optic Cables

CommScope designs and manufactures a comprehensive line of fiber optic cables—from outside plant to indoor/outdoor and fire-rated indoor fiber cables.

HTF DWDM equipment,OTN Solution,QSFP28 OSFP

HTFuture offers industry-leading fiber optic products and WDM system solutions with global recognition for excellence and innovation.

How Far Can a Fiber Optic Cable Be Run? Distance Guide

Fiber optic cables can run up to 80 km without a repeater. Learn exact limits by cable type, application, and how to extend your network.

OS2 Fibre Optic Cables – Mouser Europe

OS2 Fibre Optic Cables are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for OS2 Fibre Optic Cables.

Corning AOC-CCU6JPN005M20 Thunderbolt 3 USB

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

Contact Us

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