

Overseas Warehouse AOC Active Optical Cable OSFP



Overview

OSFP Active Optical Cables (AOCs) are high-speed interconnects for data centers, supporting up to 800 Gbps. Using the OSFP form factor, they offer low power, high signal integrity, and longer reach than copper, making them ideal for AI, HPC, and cloud networking. Our active optical cable assembly portfolio provides improved cable flexibility and longer reach as compared to both traditional passive copper and emerging active copper (ACC/AEC) solutions, supporting high performance computing, data center and networking interconnect applications. Engineered in the compact QSFP112 form factor, each AOC delivers an aggregate 800 Gb/s bandwidth. Pivotal Optics' Active Optical Cables (AOCs) are fully integrated, plug-and-play fiber assemblies designed for short- to medium-range high-speed data links—without the need for separate transceivers. Built with bonded multi-mode or single-mode fiber, these cables deliver secure, low-latency. The 400G OSFP to 2x 200G QSFP56 breakout active optical cables operate over multi-mode fibres (MMF). This breakout cable is compliant with IEEE 802.0, SFF-8679, SFF-8661, SFF-8636, and CMIS Rev.



Article Content

Feb 24, 2026

400G OSFP Active Optical Cable (AOC)

Elevate your network to unprecedented speeds with our 400G OSFP Active Optical Cable (AOC), offering data rates of 8×53.125Gbps (PAM4) and OM3 MMF

Nov 30, 2025

AOC Cables: AOC vs DAC and Application Examples

In a similar way to Direct Attach Copper (DAC) cables, Active Optical Cables (AOC) offer a low-power solution for high-speed, fixed distance fiber optic links in-rack.

May 28, 2026

Active Optical Cables AOC SFP QSFP 10G 25G 100G 400G Fiber

Pivotal Optics' Active Optical Cables (AOCs) are fully integrated, plug-and-play fiber assemblies designed for short- to medium-range high-speed data links—without the need for separate transceivers.

Nov 18, 2025

Active Optical Cable Market Size, Share, Trends

The global active optical cable market size was valued at \$1.63 Bn in 2019, is projected to hit \$12.60 Bn by 2028, growing at a CAGR of 27.5% from 2021-2028.

Apr 08, 2026

Detailed Guide on AOC (Active Optical Cable): From

What is Active Optical Cable? Active optical cable (AOC) is a fibre optic cabling technology that enables devices to communicate with each other

Sep 12, 2025

Aoc Cable | JTOPTICS

AOC Cable JTOPTICS® Active Optical Cable (AOC) cable assemblies are designed to meet data center, networking and high-performance computing

Jun 25, 2026

Active Optical Cable | AOC | Active Optic Cables | Optics

We offer a wide range of active optic cable (AOC) solutions to ensure that your company performs at an optimal data rate using the latest

Aug 04, 2025

400G OSFP Active Optical Cables | AscentOptics

The 400G OSFP AOC is a 400 Gb/s parallel active optical cable, which transmits parallel 8×50 Gb/s PAM4 signals over MMF OM3 cables up to 100m -

May 02, 2026

800G OSFP Active Optical Cables | AscentOptics

800G OSFP AOC transmits parallel 8×100 Gb/s PAM4 signals over MMF cables up to 30m, support 8 lanes each at 106.25G/s and overall up to 850Gb/s - AscentOptics.

Sep 22, 2025

OSFP Active Optical Cables (AOC)

OSFP Active Optical Cables (AOCs) are high-speed interconnects for data centers, supporting up to 800 Gbps. Using the OSFP form factor, they offer low power, high signal integrity, and longer reach than

Mar 23, 2026

400G OSFP AOC Active Optical Cable

400G OSFP AOC Active Optical Cable is a CZT fiber optic and SFP interconnect product for data center, telecom, and optical networking programs. It is supported by local product imagery. Confirm

Jun 09, 2026

What Is Active Optical Cable (AOC cable), AOC Wiki

Active optical cable (AOC) can be defined as an optical fiber jumper cable terminated with optical transceivers on both ends. It uses electrical-to

Mar 21, 2026

What is a Active Optical Cable (AOC)?

Standard Optic Versus AOC Active Optical Cable Conceptual Model Since active optical cables still require the same copper to photonic conversion at either end, many of the cost savings

Jan 10, 2026

15m (49ft) 400G OSFP Finned Top to 2 x 200G QSFP56 Active

Thin and lightweight AOC cables simplify cable management, enabling an efficient system airflow, which is critical in high-density racks. It is used extensively in cloud and supercomputers due to its low cost,

Dec 01, 2025

Aoc Cable I JTOPTICS

Perfectly suited for high-speed, long-distance connections in data centers and telecom networks, AOCs support bandwidths from 10G to 800G with low latency

Aug 25, 2025

10G SFP+ Active Optical Cable (AOC)

Description FS SFP+ Active Optical Cable (AOC) assemblies use active circuits to support longer distances than standard Passive or Active SFP+ Copper Cables. They are designed for high speed,

Jul 30, 2025

400G OSFP AOC Active Optical Cable

TARLUZ 400G OSFP AOC is designed for 400GBASE Ethernet. it is able to transmit 100m over Multimode fiber, each AOC consists of 4x channels, and

Jan 10, 2026

400G OSFP AOC Active Optical Cable (AOC)

400G OSFP AOC is a active optical Cable for short-range data communication and interconnect applications. Each AOC has 8 duplex channels with 448Gb/s

Jan 18, 2026

15m (49ft) Generic Compatible 800G OSFP Finned Top Active Optical

Boasting cost-effective deployment, high operational stability and superior value, this AOC is ideally suited for 800G connections within racks and across adjacent racks in cloud computing and high

Oct 01, 2025

What is an Active Optical Cable?

What Are Active Optical Cables? An AOC cable is built to help reach high data transfer rates between 1-300m for the purposes of short-range multi-lane data communication and

May 25, 2026

6 Things You Should Know About Active Optical Cable

AOC Cables vs. Optical Transceivers, What is the difference? Stability: Unlike an optical transceiver, the AOC active optical cable visual

Feb 20, 2026

SFP, QSFP, QSFP-DD, OSFP Active Optical Cable Assemblies

Our active optical cable assembly portfolio provides improved cable flexibility and longer reach as compared to both traditional passive copper and emerging active copper (ACC/AEC) solutions,

Mar 07, 2026

800G OSFP & QSFP-DD Active Optical Cables (AOC)

The 800G Active Optical Cable (AOC) series redefines data-center interconnect performance by combining the simplicity of a pluggable copper cable with the

Apr 14, 2026

OSFP active optical cables create a scalable 400G foundation in data ...

With 400G readily available for the fiber market (and 800G hot on its heels), laying a scalable yet streamlined foundation on high density OSFP optics has never been more critical for

May 25, 2026

OSFP active optical cables build a strong 400G foundation in data ...

OSFP active optical cables build a strong 400G foundation in data centers Future proof your high speed cabling for 400G with OSFP AOCs New information technologies helping connect a socially

Mar 15, 2026

800G OSFP112 Active Optical Cables 8x100G PAM4,

FIBERSTAMP 800G OSFP AOC active optical cable is used for short-distance interconnections between equipment within data centers and are compliant with

Feb 12, 2026

Active Optical Cables (AOC) Explained: Advantages, Limitations, and ...

Learn AOC advantages and limitations, and how they compare to DAC and optical modules. Includes use cases, deployment tips and FAQs for 10G-800G data center.

Jul 15, 2026

AOC Active Optical Cables | Fibertronics, Inc.

AOC Active Optical Cables Active Optical Cables (AOCs) are transceiver products permanently integrated with fiber optic cables, offering consistent and

Jun 25, 2026

400G OSFP Active Optical Cable 10 Meters

400G OSFP AOC 400G OSFP56 Active Optical Cable,10 Meters AscentOptics" 400Gbps OSFP56 active optical cable can provide new generation performance

Jan 29, 2026

Active Optical Cables (AOC)

Flyin SFP28 Active Optical Cable (AOC) assemblies use active circuits to support longer distances than standard Passive or Active SFP28 Copper Cables. They are designed for high speed, short range

Sep 27, 2025

Active Optical Cables

Siemon's 50G per lane PAM4 Ethernet or InfiniBand™ OSFP Active Optical Cable assemblies (AOCs) are designed to exceed industry standard performance offering a cost-effective, low latency, low

Contact Us

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