

# Iceland 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. Complies with OSFP MSA, CMIS. FS DAC, AOC and AEC cables are most used in data centers and enterprise networks for switches, servers, and storage interconnects within a rack. With high-speed, high-reliability transmission, FS twinax cables come in different lengths to support different transmission data rates, such as 1G, 10G. 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. Each channel operates with PAM4 modulation scheme at 53.125G baud rate, and up to 60m using OM3 fiber or 100m using OM4 fiber. The host can select Applications by programming the AppSel value in Staged Set 0. Engineered in the compact QSFP112 form factor, each AOC delivers an aggregate 800 Gb/s bandwidth. Siemon offers a comprehensive line of High-Speed Cable Assemblies,

including straight-through/breakout Direct Attach Cables (DAC), Active Copper Cables (ACC), Active Electrical Cables (AEC) and Active Optical Cables (AOC) in speeds up to 800G, in QSFP-DD, OSFP-FT (Finned Top), OSFP-RHS (Riding Heat).

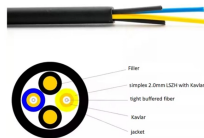
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Our Electronics Products Product of the Year award- winning OSFP (Octal Small Form Factor Pluggable) cable assemblies are compatible with 25G/lane channel NRZ up to 112G/lane ...



OSFP (AOC) Cables OSFP Active Optical Cable OSFP Active Optical Cables (AOCs) are high-speed interconnects for data centers, supporting up to 800 Gbps. Using the OSFP form factor, they offer ...



Shop active optical cables from Pivotal Optics for data center & enterprise networks. AOC solutions from 10G to 400G SFP & QSFP. Lightweight, flexible cables!



Fiber-Online OSFP-2Q56-AOC15M OSFP to 2x QSFP56, 400Gb/s to 2 x 200Gb/s AOC Cable designed to connect an NDR switch with OSFP to a legacy 2 HDR switch/HCA QSFP56.



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 ...



The ultra-low latency and high throughput of our 800G Active Optical Cables make it perfect for AI/ML clusters, GPU-to-GPU aggregation, and HPC environments—ensuring data moves at line rate even ...



FS DAC, AOC and AEC cables are most used in data centers and enterprise networks for switches, servers, and storage interconnects within a rack. With high ...



OSFP-800G-AOC01 are designed to meet FCC Class B limits.

## Contact Us

For more information, pricing, or custom energy solutions, please contact us:

Website: <https://gdroofing.co.za>

Email: [sales@gdroofing.co.za](mailto:sales@gdroofing.co.za)

Phone: +27 72 418 9365

Address: 22 Electron Avenue, Isando, Johannesburg, 1600, South Africa

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