

Monaco DAC High-Speed Cable OSFP



Overview

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 224G/lane channel PAM4 signaling protocols that allow the cables to deliver aggregate bandwidths of 200G, 400G . 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 224G/lane channel PAM4 signaling protocols that allow the cables to deliver aggregate bandwidths of 200G, 400G . 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. The Octal Small Form Factor Pluggable (OSFP) Connector System provides up to 224Gbps PAM-4 per lane, single- or dual-port, 8- or 16-lane connectivity. These input/output (I/O) solutions support aggregate data rates up to 1.6T, enabling data center architectures to scale with evolving bandwidth and performance requirements. Designed to support 28G NRZ, 56G PAM4, 112G PAM4, and 224G PAM4. The Volex DAC cable product family includes cable assemblies with Small Form-factor Pluggable (SFP), Quad Small Form-factor Pluggable (QSFP), and Octal Small Form-factor Pluggable (OSFP) single and double density modules. Volex offers a comprehensive range of active and passive DAC cables. Even as data centers increase and the demand for high-speed network solutions rises, OSFP (Octal Small Form-factor Pluggable) Direct Attach Cables (DACs) are an example of something that can be particularly useful. OSFP flat-top DAC cables are engineered to meet the demanding connectivity requirements of HPC clusters and dense data center deployments, supporting transmission.

Article Content

OSFP Direct Attach Cables (200G/400G/800G DAC)

Our OSFP Cable line-up is OSFP MSA compliant and protocol agnostic for worry-free integration into 200/400/800-Gigabit Ethernet and InfiniBand networks.

800G Twin-port 2x400G OSFP Passive DAC Cable

The 800G OSFP DAC cable contains 16 (8 transmitting and 8 receiving) high-speed copper pairs, each operating at data rates of up to 106.25Gb/s, which are suitable for very short links

OSFP – Defining a New Standard for High-Speed Connections

Amphenol's OSFP product portfolio offers customers a comprehensive and integrated link solution that features DAC copper cables, AOCs, stacked and ganged board connector and cage

High-Speed Interconnect Technology: SFP28/SFP56/QSFP28

This article provides an in-depth overview of SFP28, SFP56, QSFP28, QSFP56, QSFP-DD, OSFP, as well as DAC, ACC, and AEC.

800G OSFP 4xQSFP112 DAC Cable

Ascent's 800G OSFP to 4x200G QSFP112 Passive Direct Attach Copper (DAC) Breakout Cable is a high-performance, low-power interconnect solution designed for next-generation AI clusters, cloud

Unlocking the Potential of 400G/800G/1.6T OSFP InfiniBand Cables

Explore how FS 400G/800G/1.6T OSFP InfiniBand cables deliver high-speed, scalable, and thermally efficient connectivity for AI, HPC, and modern data centers using PAM4 modulation

Understanding OSFP Cable Assemblies: The Key to

Discover how OSFP cable assemblies revolutionize data interconnect solutions, supporting 400G speeds and advanced signaling like

Understanding the OSFP Flat-top DAC Cables: Features,

Discover the features and benefits of OSFP flat-top DAC cables for high-speed, reliable, and thermally efficient connectivity in NVIDIA DGX H100 systems.

OSFP Direct Attach Cables (200G/400G/800G DAC)

OSFP Cables (OSFP DAC Cables) by Amphenol Now In-Stock at Speeds up to 800.0 Gbps with 1600 Gbps Coming Soon! Amphenol is the largest OSFP Direct Attach Cable (DAC) manufacturer

InfiniBand Cables Explained: HDR vs NDR, QSFP56 vs OSFP, DAC

Complete 2025 guide to InfiniBand cables: HDR (200G) vs NDR (400G), QSFP56 vs OSFP/QSFP112 connectors, DAC vs AOC vs optics, distances.

OSFP Cable Assemblies | High Speed Input Output

Our Electronics Products "Product of the Year" award winning OSFP (Octal Small Form Factor Pluggable) cable assemblies are compatible with 25G/lane channel

Transceiver Types for High-Speed Networking

☐☐ Transceiver Types at a Glance – The Backbone of High-Speed Networking! ☐☐✂ As network infrastructures continue to evolve, selecting the right transceiver module is essential for ...

InfiniBand Cables Explained: HDR vs NDR, QSFP56 vs

InfiniBand cables aren't just wires; they're critical enablers of the world's fastest computing fabrics. From DACs inside racks to AOCs across rows

High-Speed Cable Assemblies: Everything You Need to

Find out how high-speed cable assemblies can optimize your data transfer speed and ensure seamless connectivity up to 400G.

InfiniBand Cable Axiom 1m DAC OSFP 4x QSFP112 High Speed

1m Axiom InfiniBand DAC cable with OSFP connector, supporting 4x QSFP112. Ideal for high-performance network environments. Order today.

Understanding OSFP DAC: The Future of High.Speed

Discover the future of high-speed direct attach cables with insights on OSFP DAC in this concise guide.

FS Launches Cutting-Edge 1.6T OSFP Cable: Setting a New ...

FS has unveiled its latest innovative 1.6T OSFP DAC cables, which deliver up to 1600Gbps throughput at ultra-low power consumption, ideal for hyper-scale data centers,

Direct Attach Copper (DAC) Cables

High-speed Volex Direct Attach Copper (DAC) cables deliver reliable, energy-efficient data transfer for data centers. Customizable, tested and ready to deploy.

OSFP Connectors & Cable Assemblies

TE Connectivity's (TE) next-generation OSFP 224G copper cable assemblies are designed to meet the evolving needs of high-speed and high-density data

Axiom InfiniBand Cable 1.5m DAC OSFP to 4x QSFP112 – TRINCOS

Axiom InfiniBand optical cable, 1.5m DAC, OSFP to 4x QSFP112. Ideal for high-speed data transmission in data center applications. Order today.

OSFP Cable Overview and Applications - aobla

5G networks and other telecom applications leverage OSFP cables for their high-speed backhaul connections. ## Advantages Over Previous Standards OSFP cables offer several

OSFP Connector System

The Octal Small Form Factor Pluggable (OSFP) Connector System provides single- or dual-port, 8- or 16-lane I/O connectivity with DAC, AOC, ACC and optical

FS Launches Cutting-Edge 1.6T OSFP Cable: Setting a New

FS unveiled 1.6T OSFP DACs, delivering 1600Gbps throughput with ultra-low power, ideal for hyper-scale data centers and high-performance computing.

Contact Us

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