

High-speed DAC cables for oil and petrochemical industries OSFP



Overview

The advanced OSFP-XD cable assemblies are engineered to meet the stringent requirements of PCIe Gen 5 and Ethernet protocols, offering a future-proof solution with exceptional bandwidth capabilities. 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. Siemon offers a comprehensive line of High-Speed Interconnects (HSI) and transceivers. The cable assemblies include straight-through and breakout Direct Attach Cables (DAC), Active Copper Cables (ACC and AEC) and Active Optical Cables (AOC) in speeds ranging from 800G to 10G, in OSFP-Finned Top. DAC cables are high-speed, cost-effective cables that are easy to install and ideal for short-distance direct connections in data centers. AEC cables combine copper flexibility with active circuits, optimizing connections over extended distances in confined spaces. In-system tested for guaranteed compatibility. OSFP Cables (OSFP DAC Cables) by Amphenol Now In-Stock at Speeds up to 800.



Article Content

Industrial Petrochemical Cable | Long-Lasting Performance

In petrochemical installations, cables are often subjected to high temperatures, oils, and a wide range of chemical media for long periods of time. In some areas, corrosive gases are also constantly present,

Voilex 800G OSFP Passive DAC Cable

Voilex 800G OSFP Passive DAC Cable Voilex's 800G OSFP passive direct attach copper cable features 8 transmitting and 8 receiving 100Gbps PAM4 channels for 800G operation. The cable assembly

Spec Sheet

400G PAM4 OSFP Straight Throughs and Breakouts Regional Availability — Global Siemon's 400G (50G per lane) PAM4 Ethernet or InfiniBand™ OSFP-FT (Finned Top) passive copper cable DAC1

High Speed Cable Assemblies | High-Speed Interconnects, DAC, AOC

Independently tested to be interoperable with most major equipment manufacturers, Siemon interconnects deliver cost-effective, flexible support for your high-speed, direct attach equipment

High Speed Cables for Next Generation Data

Amphenol designs, manufactures, and supplies high-speed global internet enabling interconnect solutions to system designer and manufacturers.

OSFP-XD Copper Cable Assemblies

The advanced OSFP-XD cable assemblies are engineered to meet the stringent requirements of PCIe Gen 5 and Ethernet protocols, offering a

Data Center High-Speed DAC Cables - CablesTEC

CablesTEC's Direct Attach Copper Cable (DAC) is the lowest cost solution for creating 10G-800G high-speed interconnect links for server/switch networks.

Oil, Gas & PetroChem Industry Cable | Eland Cables

Our cable solutions for the oil, gas and petrochemical industry encompass technical support with cables and cable accessories specification, design, and supply on some of the shortest lead-times in the

Oil, Gas & PetroChem Industry Cable | Eland Cables

Our oil, gas and petrochemical cables are designed to provide a high level of operational reliability - downtime is costly and critical systems must remain online throughout. The oil, gas and

From 800G OSFP and QSFP-DD to 10G SFP+ High-Performance

Certified to exact Arista, Cisco, Dell, Intel, Juniper, Nvidia, and MSA functional performance specifications. In-system tested for guaranteed compatibility.

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

800G Interconnects | AOC, ACC & DAC OSFP/QSFP-DD800 Cables

Shop Vitex 800G interconnects. High-performance AOC, ACC, and DAC cables for 800G OSFP and QSFP-DD800 networks. Ideal for AI clusters and data centers. Low-latency, tested reliability, and

Volex OSFP 400G Passive DAC Cable

As next-gen data centers deploy faster speed in a tighter space, they need high performance cables that reduce power consumption, provide reliable operation and are low cost. Volex's OSFP 400G cable is

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.

224 Gbps-PAM4 High-Speed Data Center Technology

Learn how Molex's industry-leading comprehensive portfolio of 224 Gbps-PAM4 products and custom architecture designs are enabling a new type of data

OSFP-800G-DACxM

Description OPTCORE offers 800G OSFP DAC cable with high quality and satisfaction. The 800G cable comprises sixteen pairs of differential copper cables and OSFP112 connectors on both ends. That

FS Unveils 1.6T OSFP DAC Cable

These ultra-high-speed DAC cables from FS are compatible with Ethernet and InfiniBand systems, delivering seamless upgrades for enterprises looking to boost their InfiniBand XDR network

What you need to know about Optcore 400G QSFP-DD DAC Cables

Conclusion 400G QSFP-DD DAC cables from Optcore are well suited for ultra-short-haul Data Center Interconnect (DCI) applications. They offer robust performance, reliability, and flexibility.

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.

High Speed Cable Assemblies | High-Speed Interconnects, DAC, AOC

Siemon offers a comprehensive line of High-Speed Interconnects (HSI) and transceivers. The cable assemblies include straight-through and breakout Direct Attach Cables (DAC), Active Copper Cables

OSFP Connectors & Cable Assemblies

Combined with strong electrical performance and broad system compatibility, TE OSFP connectors and cable assemblies deliver a balanced solution for today's

High speed DAC cables and loopbacks

Point-to-point connections for data centers BizLink's industry-leading high speed cable technology enables us to provide superior P2P solutions up to 800 G in state-of-the-art data center applications.

800G OSFP Passive Direct Attach Copper Twinax Cable | FS

II. Scope This specification is applicable to 800G OSFP external connector system which provides a high speed cable to board interconnect. Octal Small Form-factor Double Density Pluggable solution

High-Speed Direct Attached Cable (DAC) Assemblies

Molex High-Speed DAC Assemblies deliver a complete zSFP+and zQSFP+interconnect solution across multiple industry standards with data rates as high as 100 Gbps and off-the-shelf and custom lengths

DAC, AOC, AEC & ACC Cables | High Speed Data Center

Lumulus Technologies Inc. meets this need with high-speed cables from 10GB to 1.6TB designed for low latency, top performance and energy efficiency to ensure your project runs smoothly.

800G OSFP to 4x200G OSFP Passive Breakout DAC Data Sheet | FS

FS's Octal Small Form-factor Double Density Pluggable solution achieving 800G transmission (hereafter referred to as OSFP) is designed for high-density applications.

800G OSFP Direct Attach Cable | AscentOptics

800G OSFP DAC cables are high-speed, cost-effective alternatives to OSFP optical modules in 800G Ethernet applications, compliant with IEEE802.3ck - AscentOptics.

400G Transceivers and Cables

400G Transceivers Guide 400G Transceivers Guide 400G transceivers, Active Optical Cables (AOCs), and Direct Attach Copper (DAC) cables are critical

DAC Cables | 100G High-Speed Connectivity

Unlock 100G performance with BizLink's DAC cables. Our direct attach cable solutions, including QSFP28, ensure low loss & high-speed data for demanding data centers.

Contact Us

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