

# Safe City DAC High-Speed Cable QSFP-DD



## Overview

The Double-density QSFP 400G DAC is fully compliant with the QSFP-DD Multi-Source Agreement (MSA). It features two 400G QSFP-DD connectors and one passive copper cable, providing 400G data rates. In modern data centers and enterprise networks, Quad Small Form-factor Pluggable (QSFP) cables are everywhere. Thanks to their four-lane parallel architecture, QSFP cables combine high bandwidth with compact design. Amphenol's QSFP DD (Quad Small Form Factor Pluggable Double Density) copper cable assemblies double the number of channels from 4 to 8 lanes when compared to the existing QSFP cabling systems, enabling more bandwidth within the same mechanical envelope. The cable assembly meets IEEE 802.3cd and Infiniband standards with substantial signal integrity margin providing high performance and. This article explores the benefits and limitations of 400G QSFP-DD DAC Twinax Cables, including a comparison with 400G AOC vs. All materials and compounds used, meet the material restrictions of RoHS, (European Directive 2002/95/EC on the Restrictions of Hazardous Substances) as proposed by the RoHS Technical Adaptation Committee. Scope This. hin or between adjacent racks. Its robust desi d high-performance networking. The plug-and-play functionality simplifies d ed for active optical modules. Available in various lengths, it adapts to.

## Article Content

Nov 27, 2025

### Direct Attach Cable (DAC) Assemblies

The Quad Small Form-factor Pluggable Double Density (QSFP-DD) Interconnect Solution is specifically designed to meet high-density applications with its efficient

May 11, 2026

### In-Depth Analysis of QSFP-DD 400G DAC Cables

This article explores the benefits and limitations of 400G QSFP-DD DAC Twinax Cables, including a comparison with 400G AOC vs. 400G DAC vs.

Nov 21, 2025

### Voletex 400G QSFP-DD 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. Voletex's QSFP-DD cable is

Sep 27, 2025

### 400G QSFP-DD Cable and Transceiver Modules Data Sheet | FS

QSFP-DD to 4xQSFP28 cable assemblies are high performance, high bandwidth and cost effective interconnect solutions that support 400G standard applications with different data rates.

Jun 28, 2025

### 200/400Gb/s QSFP-DD DAC

10Gtek® QSFP-DD (Double-Density) passive copper cable assemblies provide 8 data transmission channels at speeds up to 25Gbps/lane NRZ and 50Gbps/lane

May 22, 2026

### QSFP DD Cable Assemblies | High Speed Input Output

Compatible with 25G/Lane NRZ up to 112G/Lane PAM4 signaling protocols that allow cables to deliver aggregate bandwidths of 200G, 400G, and

Dec 08, 2025

### 400G QSFP-DD Passive DAC Cable

The 400G QSFP-DD to QSFP-DD Passive Direct Attach Copper (DAC) Cable is a cost-effective solution for short-range, high-speed

Jul 09, 2025

400G QSFP-DD to 4X100G QSFP56 Passive Breakout DAC

II. Scope This specification is applicable to 400G QSFP-DD to 4xQSFP56 external connector system which provides a high speed cable to board interconnect.

Jul 12, 2025

QSFP-DD Cable

QSFP-DD Cable Data rates : 56G-PAM4/ 25G-NRZ Maximum data rate: 400Gb/s (8 x 50Gb/s) Connector Compliant with QSFP 28 SFF 8665 Low Power Consumption

Jul 27, 2025

200G QSFP28-DD Passive Copper DAC Cable 1.5m | AscentOptics

The 200G QSFP-DD DAC cable contains 16 high-speed copper pairs, each operating at data rates of up to 25Gb/s. Each QSFP-DD port comprises an EEPROM providing product information, which can be

Aug 16, 2025

400G QSFP-DD DAC: High-Speed Direct Connect Solution

400Gb/s QSFP-DD Direct Attach Cable Description Innoptical's IN-DAC-400G-Dxxx QSFP-DD passive copper cable assembly feature eight differential copper pairs, providing four data transmission

Oct 06, 2025

QSFP DD Cable Assemblies | High Speed Input Output

Amphenol QSFP DD (Double Density) passive copper cable assemblies double the number of channels from 4 to 8 lanes when compared to

Jun 24, 2026

MCP1660-W0xxEyy QSFP-DD DAC Cable Product

The NVIDIA MCP1660-W0xxEyy DAC (Direct Attach Copper) cables are high speed, cost-effective alternatives to fiber optics in 400GbE Ethernet

Dec 07, 2025

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

If you're looking for a 400G cable solution that can meet your high-speed data needs, consider Optcore's 400G QSFP-DD DAC cables. If you have any other questions, please feel free to

Mar 24, 2026

### Ultimativer Leitfaden zum 400g QSFP-DD Passive

Das 400G QSFP-DD Passive Direct Attach Copper (DAC)-Kabel ist für Hochgeschwindigkeitsdatenübertragungsumgebungen wie Rechenzentren und

May 27, 2026

### 400G QSFP-DD to 4 QSFP28 Active DAC Breakout Cable Datasheet

Description 400G QSFP-DD to 4 x100G QSFP28 Active Direct Attach Copper Breakout Cable (Active Electrical Cable) enables low-power, high-reliability and high-speed interconnections over very thin

Jul 12, 2025

### QSFP Cables Explained 2025: Types, DAC vs AOC,

This guide explains everything you need to know about QSFP cables: their types, how they work, when to choose DAC vs AOC, and how to ensure

Oct 12, 2025

### QSFP-DD Direct Attach Cables (200G/400G/800G DAC)

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

Jun 18, 2026

### Unlocking Performance with 400G QSFP-DD DAC Cables: High-Speed ...

400G QSFP-DD DAC Cable: High-Speed, Low-Latency Data Center Connectivity What Is a 400G QSFP-DD DAC Cable? A 400G QSFP-DD (Quad Small Form-factor Pluggable Double Density)

Feb 10, 2026

### 400G QSFP-DD Passive High-Speed Cable - LINKSIA

Our QSFP-DD cages feature a proprietary heat sink design, making them the only solution to work in 15-18W applications at a low cost providing superior thermal and signal integrity performance.

Dec 31, 2025

### 400G QSFP-DD to 4X100G QSFP56 Passive Breakout DAC

The hot-pluggable transceiver integrates 8 transmitting and 8 receiving channels. FS's QSFP-DD to 4xQSFP56 cable assemblies are high performance, high bandwidth and cost effective interconnect

Jan 20, 2026

## All About QSFP Cables, Connectors, and More

Amphenol is your industry leader when it comes to the innovation, design, manufacture, and supply of high-performance cable connectors and

Sep 22, 2025

### 400G QSFP-DD DAC

Gigalight's GQD-PC401-XXC cable assemblies is compliant with the QSFP-DD-MSA and IEEE802.3cd, it's high performance, cost effective I/O solutions for LAN, HPC and SAN. The high speed cable

Oct 14, 2025

### QSFP Cables Explained 2025: Types, DAC vs AOC, and DC Use Cases

Learn about QSFP cables: QSFP+, QSFP28, QSFP56, QSFP-DD. Compare DAC vs AOC, speeds, lengths, and use cases in data centers. Includes compatibility and tips.

Feb 09, 2026

### QSFP-DD Turbo-DAC Active DAC Assemblies

QSFP-DD Turbo-DAC Active DAC Assemblies, with QSFP-DD Interconnects, provide 25- and 56-Gbps data rates and serve as reliable substitutes for 3.0-to-7.0m active optical cables while providing the

Aug 23, 2025

### 800G QSFP-DD PCC/ACC

The GIGALIGHT 800G QSFP-DD pluggable direct attach copper (DAC) cable includes Passive Copper Cables (PCC) and Active Copper Cables (ACC)

## Contact Us

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