

Denmark Certified DAC High-Speed Cable 1G



Article Overview

A 1G Direct Attach Copper (DAC) cable is a factory-terminated twinax copper assembly designed for short-reach, high-speed network connections, ideal for data centers and server interconnects.

Overview

DAC cables are high-performance copper cables that connect switches, servers, and storage devices within racks. They are available in passive and active versions, with passive DACs offering low cost, low power consumption, and minimal heat generation, while active DACs include signal amplification or retimers to extend reach beyond standard limits. For 1G applications, passive DAC cables are typically sufficient for short distances up to 5 meters.

Key Features

- **Data Rate:** Supports 1 Gb/s and higher, ensuring reliable network performance.
- **Connectors:** Compatible with SFP, SFP+, QSFP, QSFP28, QSFP-DD, and OSFP modules, depending on the network equipment.
- **Cable Construction:** Uses 26-30 AWG shielded twinax conductors, providing low latency (typically under 5 ns) and high signal integrity.
- **Compliance:** Meets IEEE 802.3 standards and relevant SFF/MSA specifications, ensuring interoperability and reliability.
- **Power Efficiency:** Passive DAC cables consume less than 0.5 W, making them ener...

Article Content

Oct 22, 2025

DAC Cable & DAC Cables: 1G-800G Direct Attach

A DAC cable, or direct attach copper cable, is a short-reach high-speed assembly used between switches,

Dec 06, 2025

What Is DAC Cable, Direct Attach SFP+ Cable Passive vs Active

High speed direct attach cable (DAC) assemblies, or twinax cable assembly used in data centers. It provides a lower cost, higher

Jan 17, 2026

10Gtek 1.25G SFP DAC Twinax Cable 1-Meter (3.3ft), Passive

10Gtek focuses on developing high performance cable and transceiver solutions for data center, HPC and AI applications. The main

Aug 29, 2025

9 common DAC Cables that Make Your Networking Efficient

DAC cable is a high-speed copper twin-ax assembly with pluggable connectors on either end. They can usually be

Jun 07, 2026

Cisco SFP-H1GB-CU1M/2M/3M/5M/7M Compatible 1G

This 1G SFP DAC cable is a passive direct attach copper twinax cable with a 0.5-meter to 7-meter length.

Aug 24, 2025

Direct Attach Copper (DAC) Cables

High-speed Volex Direct Attach Copper (DAC) cables deliver reliable, energy-efficient data transfer for data

Oct 25, 2025

Your Ultimate Guide to DAC Cable - VCELINK

As a cost-saving alternative to optical transceivers, DAC cables allow for high-speed connectivity between devices

Jul 16, 2026

1G DAC Cable (1G-SFP-CU*) in Stock

The 1G-SFP-CU passive copper cable assemblies are high-performance and cost-effective I/O solutions designed for 1G Ethernet

Feb 05, 2026

LightSpeed 1G SFP Fiber Optic DAC (Direct Attach Cable)

LightSpeed™ DACs are a low-cost way to utilize the SFP ports on our fiber optic products and standard 1G

Dec 02, 2025

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

Dec 03, 2025

SFP+-DAC-KABEL

Die Familie der DAC-Kabel umfasst die passiven oder aktiven Versionen AXC761, AXC763, AXC765, AXC767 und AXC7610 in

Nov 01, 2025

High Speed Cable [Design & Buy] | C.C.P. Contact Probes

Ultra thin, high quality passive DAC network cables with data rates of up to 100Gbps. We offer variable cable length and

Jan 03, 2026

DAC Direct Attach Cable: Practical Network Cabling Guide

DAC direct attach cables explained: passive vs active, max lengths by form factor, when DAC beats fiber optics for short links, and

Jun 05, 2026

Cisco DAC Direct Attach Cable Model Guide

DAC Direct Attach Cables, also known as high-speed cables or direct attach copper cables, are typically purchased in

Dec 13, 2025

Efficient and High-Speed DAC Cables

Learn all about DAC cables: types, compatibility & performance tips. Ensure seamless connectivity in your data center. Shop DAC

Jan 03, 2026

10Gtek 1.25G SFP DAC Twinax Cable

About this item 1GBase-CU, 0.5 Meter 2-pair differential twinax cable, Passive, EEPROM I2C Compatible with Cisco SFP-H1GB

Mar 04, 2026

1G SFP Direct Attach Copper Datasheet | FS

Description The SFP passive cable assemblies are high performance, cost effective I/O solutions for 1G Ethernet and 1G Fiber

Dec 29, 2025

How To Choose DAC High-speed Cable?

DAC high-speed cables can be divided into 10G SFP+ DAC high-speed cables, 25G SFP28 DAC high-speed cables, 40G QSFP+

Nov 14, 2025

DAC Cable, Copper Cable, Direct Attach Cable, Twinax Cable

With the features of the low cost, low power consumption and low latency, it is an alternative to optical transceivers for short reach

Dec 21, 2025

DAC Cables | High-Speed Direct Attach Connectivity

Discover our range of DAC Cables, offering a cost-effective solution for short-range network connections. Ideal for data centers and

Nov 01, 2025

DAC/AOC/ACC/AEC Cables

With high-speed, high-reliability transmission, FS twinax cables come in different lengths to support

Sep 13, 2025

1G/10Gb SFP/SFP+ DAC Cable 0.2m,1~3m Passive Direct Attach

The platform and merchants assume no related legal liability. 1G/10Gb SFP+ Passive DAC Cable for High-Speed Connectivity This

Sep 15, 2025

1G DAC Cable: The Ultimate Guide to Choosing the Right ...

1G DAC Cable: The Ultimate Guide to Choosing the Right Direct Attach Copper Cable for Your Network A 1G DAC cable supports 1

Jan 10, 2026

SFP+ DAC CABLE

DAC family with options The family of DAC cables includes the AXC761, AXC763, AXC765, AXC767 and AXC7610 Passive or Active

Jan 31, 2026

SFP+/SFP28 DAC Twinax Cable Factory

SFP+/SFP28 DAC 10Gtek® SFP+ DAC cable based on IEEE 802.3ae and MSA SFF-8472, SFF-8431, support 1~10G multi-rate

Jan 07, 2026

SFP-1G-DAC3M

The 1G SFP Passive Direct Attach Copper Twinax Cable is designed for use in 1GBASE Ethernet. This cable is compliant with SFF

Dec 21, 2025

SFP-DAC Series

The AMG SFP-DAC-10G series are industrial high speed Direct Attach Cables (DAC) offering transmission

Mar 23, 2026

NVIDIA LinkX Ethernet DAC Cables

NVIDIA LinkX Ethernet DAC Cables Learn about direct attach copper (DAC) cables and splitters for GPU-accelerated computing.

Contact Us

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