

10Gig Direct Attached SFP+ copper cable, 30 AWG, 1 meter

Direct Attach Cables / Active Optical Cables

A simple to install, cost-effective and interoperable solution

Often used for data center short-reach interconnects, Direct Attach, Active Copper and Active Optical Cables are an indispensable part of any network.

Terminated with transceiver-style connectors, they are designed to be used in the same ports as a typical SFP+ or QSFP transceiver, with no need for adapters or converters. Our DAC and AOC cables offer compatibility with a huge range of vendors, enabling the connectivity you need within the Top of Rack and End of Row environments.

- 10G, 25G, 40G & 100G product solutions
- Seamless interoperability with network equipment
- Multi-code options enabling different OEM vendors at each end of the cable
- 4x breakout cables, 40G QSFP+ to 4x 10G SFP and 100G QSFP28 to 4x 25G SFP28
- Fast Delivery, Custom solutions
- Compatible with Over 90 Systems
- Savings of up to 70%

The SFP+ copper cable assembly was developed specifically as a cost-effective and low power alternative to optical cables and optical SFP+ modules for short reach links in high-speed interconnect applications.

Applications include: InfiniBand SDR, DDR, and QDR, Ethernet 1G and 10G, Fiber Channel 8G and 10G, FCoE 10G, Networking, Storage, and hubs, switches, routers, servers, and NICs.

Features

- Supports data transfer rates from 1Gbps up to 10+ Gbps
- Ideal for high speed interconnects in enterprise networking, storage area networks, and at service provider customer hand-off points
- Combines twin-axial shielded cable configurations with robust die cast housings for enhanced support of high frequency data rates
- Impedances matched to ensure interoperability and minimize EMI leakage through their fully-shielded design
- Standard SFP+ latch interoperable with all compliant interfaces



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Technical Data

Standards

- Electrical: SFF-8431, SFF-8083
- Mechanical: SFF-8432
- EEPROM: SFF-8472
- IEEE: 10GBase-CR

Electrical

- Min. Dielectric Withstand Voltage: 300VDC
- Insulation Resistance: 1000Mohms
- Current Rating: 0.5 Amp Min/Signal Contact

Flammability Rating

- UL 94 V-0

Green Features

- RoHS, Lead Free

Shield

- Braid/Foil

Plug

- Backshell Material: Nickel-Plated Zinc
Diecast
- Contact material: PCB with Gold-Plated Pads
- Plastic Material: LCP
- Latch: Positive Latching w/ Lanyard Pull

Cable

- Conductor: Solid
- Wire Gauge: 30 AWG to 24 AWG

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- Impedance: 100+/- 5 ohms
- Construction: Twin axial Cable ODCable
- 30 AWG = 4.45mm (0.175 in)
- 28 AWG = 4.7mm (0.185 in)
- 24 AWG = 5.7mm (0.255 in)
- Jacket Type: PVC
- Bend Radius: 5x Cable OD

Compatability

- MSA Compliant: Cables are compliant
with Multi-Sourcing Agreement compliant
- SFP ports Cisco Compatible: Starting with Cisco NX-OS Software release 4.1(3)N2.1, these cables are compatible with the Nexus 2000 and 5000 series switches

Environment

- Operating: -10°C to 70°C

Weight

- 1 lb. [0.45 kg]

Warranty

- Lifetime

Product variants & accessories

Art.-No.	Description
DAC-10G-SFP-01M	10Gig Direct Attached SFP+ copper cable, 30 AWG, 1 meter