

NRZ Active Optical Cable



Overview

These products feature four channels of 25G PAM4 electrical signals and four channels of 25G NRE optical signals, a duplex LC connector, a APD receiver, a distance of up to 30km reach via single-mode fiber, a case temperature range of 0°C~70°C, and compliance with IEEE. These products feature four channels of 25G PAM4 electrical signals and four channels of 25G NRE optical signals, a duplex LC connector, a APD receiver, a distance of up to 30km reach via single-mode fiber, a case temperature range of 0°C~70°C, and compliance with IEEE. 0. 5m (2ft) Arista Networks AOC-Q-Q-100G-0. 5M Compatible 100G QSFP28 4 x 25G NRZ Active Optical Cable - FS. com Europe FS EuropeFREE SHIPPING on Orders Over EUR 79 VAT excl. Our active optical cable assembly portfolio provides greater cable flexibility and longer reach, as compared to both traditional passive copper solutions and emerging active copper (ACC/AEC) solutions, supporting high performance computing, data center, and networking interconnect applications. Widely deployed in AI data centers, HPC networks, and enterprise core and distribution layers, QSFP28 maintains mechanical compatibility with QSFP+. HOT PLUGGABLE, the Quad Embedded Pluggable Transceiver (QEPT) aggregates 100Gbps over 4 channels on an efficient footprint, designed for highly challenging applications where both reliability and performance are critical. The LEAP® On-Board Transceiver is a commercial 12-channel duplex optical. QSFP-DD SR8 supports 2x200G split to 200G SR4 QSFP56 and 2x 4x25G-NRZ. This section profiles 4-channel, 200Gb/s, QSFP56-based cables and transceivers using 50G-PAM4 modulation for Ethernet and/or InfiniBand from 0. 5m-to-2km for use in 200GbE and HDR.

Article Content

Mar 13, 2026

50m (164ft) Generic Compatible 100G QSFP28 4 x 25G

50m (164ft) Generic Compatible 100G QSFP28 4 x 25G NRZ to 4 Duplex LC 25G NRZ Active Optical Breakout Cable, Product Specification:Part Number - QSFP

Dec 29, 2025

Mellanox MFA1A00-C005 Datasheet

MFA1A00-C005 Mellanox MFA1A00-C005 active fiber cable, ETH 100GbE, 100Gb/s, QSFP, LSZH, 5m Mellanox MFA1A00-Cxxx are QSFP28 VCSEL-based (Vertical Cavity Surface-Emitting Laser) active

Jul 25, 2026

25G SFP28 Active Optical Cables 25G NRZ,

FIBERSTAMP 25G SFP28 AOC active optical cable is used for short-distance interconnection between internal devices in the data center, and complies with

May 16, 2026

5m (16ft) Intel Compatible 100G QSFP28 4 x 25G NRZ Active Optical Cable ...

5m (16ft) Intel Compatible 100G QSFP28 4 x 25G NRZ Active Optical Cable, Product Specification:Part Number - QSFP-100G-AO05, Vendor Name - FS, Form Factor - QSFP28 to QSFP28, Max Data

Jul 22, 2026

100G-QSFP28-Mobile Networking

These products feature four channels of 25G NRZ electrical signals and four channels of 25G NRZ optical signals, a duplex LC connector, a distance of up to 10km reach via single-mode fiber, a case

Aug 13, 2025

0.5m (2ft) Arista Networks AOC-Q-Q-100G-0.5M Compatible 100G

The Arista Networks AOC-Q-Q-100G-0.5M Compatible QSFP28 Active Optical Cables are fibre assemblies with QSFP28 connectors designed for direct-attach connections over Multi-Mode Fiber

Mar 19, 2026

SFP, QSFP, QSFP-DD, OSFP Active Optical Cable Assemblies

SFP, QSFP, QSFP-DD, OSFP ACTIVE OPTICAL CABLE ASSEMBLIES Our active optical cable assembly portfolio provides improved cable flexibility and longer reach as compared to both

Aug 21, 2025

40G QSFP+ to 4x 10G SFP+ Active Optical Cables 4x10G NRZ,

FIBERSTAMP 40G QSFP+ AOC active optical cable is used for short-distance branch interconnection between internal devices in the data center. It complies with IEEE 802.3ba 40GBASE-SR4

Apr 30, 2026

70m (230ft) Dell Compatible 200G QSFP-DD 8 x 25G

The 200G QSFP-DD active optical cable is designed for use in 200 Gigabit Ethernet links over OM3 multimode fiber. This active optical cable is compliant with QSFP

Nov 01, 2025

Mastering NRZ in Optical Communications

Explore the fundamentals and applications of NRZ encoding in modern optical communication systems, including its advantages and limitations.

Feb 05, 2026

400G and 200G (50G-PAM4) and 100G (25G-NRZ) Cables and

Click on the green bold underlined part numbers to open the Product Specifications for that specific product. See also the user guide for configuring these transceivers and cables.

Dec 29, 2025

10m (33ft) Generic Compatible 200G QSFP-DD 8 x

The 200G QSFP-DD active optical cable is designed for use in 200 Gigabit Ethernet links over OM3 multimode fiber. This active optical cable is compliant with QSFP

Dec 05, 2025

100G QSFP28 Transceivers Cables for InfiniBand EDR & RoCE

Full-range 100G QSFP28 transceivers and AOC/DAC cables, supporting RoCE and InfiniBand EDR with SR4, DR, FR, CWDM4, LR, ER4, ZR4 optics across 1m to 80km links.

Aug 13, 2025

7m (23ft) 100G QSFP28 4 x 25G NRZ to 4 Duplex LC

7m (23ft) 100G QSFP28 4 x 25G NRZ to 4 Duplex LC 25G NRZ Active Optical Breakout Cable for FS Switches, Product Specification:Part Number - QSFP

Jan 08, 2026

200G QSFP DD Active Optical Cable (AOC)

The QSFP DD AOCs operate up to 25Gb/s NRZ modulation and provide solutions up to 200Gb/s aggregate bandwidth, supporting 100meters over parallel multimode fiber.

Sep 26, 2025

100G QSFP28 To 4x 25G SFP28 Active Optical Cables

FIBERSTAMP 100G QSFP28 to 4x 25G SFP28 AOC active optical cable is used for short-distance interconnection between devices within the data center,

Aug 31, 2025

Amphenol Active Optics Products

LEAP OBT 12-TRX 300G NRZ The LEAP® On-Board Transceiver is a commercial 12-channel duplex optical transceiver capable of running data-rates of up to 25Gbps per channel (300Gbps cumulative)

Jul 11, 2026

Active Optics Cable Assemblies | TE Connectivity

Greater cable flexibility and longer reach Our active optical cable assembly portfolio provides greater cable flexibility and longer reach, as compared to both traditional passive copper solutions and

Mar 18, 2026

100G QSFP28 AOC

The GIGALIGHT 100G QSFP28 pluggable active optical cable assemblies support 100GBASE-SR4 Ethernet and InfiniBand EDR data rates.

May 29, 2026

30m (98ft) Intel Compatible 100G QSFP28 4 x 25G

30m (98ft) Intel Compatible 100G QSFP28 4 x 25G NRZ Active Optical Cable, Product Specification:Part Number - QSFP-100G-AO30, Vendor Name - FS,

Feb 22, 2026

Aruba Compatible QSFP28 100G Active Optical Cables

Each AOC cable is programmed prior to dispatch with correct code to ensure it is compatible with the brand of equipment. All Complete Connect QSFP28 AOC cables are fully tested for compatibility

Apr 01, 2026

5m (16ft) Extreme Networks Compatible 100G QSFP28

5m (16ft) Extreme Networks Compatible 100G QSFP28 4 x 25G NRZ Active Optical Cable, Product Specification:Part Number - QSFP-100G-AO05, Vendor Name -

Contact Us

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