QSFP+ to QSFP+ Active Optical Cable - 40Gb, AOC, M/M, Aqua, 10M (32.8 ft.)

MODEL NUMBER: **N28F-10M-AQ**

QSFP+ cable connects high-speed 40 Gb switches, servers and other networking devices in data centers and enterprise wiring closets.

Features

QSFP+ Fiber Cable Connects Network Equipment at Speeds up to 40 Gbps This 10-meter (32.8-foot) QSFP+ Active Optical Cable (AOC) provides next-generation performance by combining four full-duplex 10 Gbps SFP+ channels into one affordable high-density package. Each male connector contains four fiber optic transceivers, each capable of data transfer speeds up to 10 Gbps. Together, the N28F-10M-AQ provides an aggregated speed up to 40 Gbps, making it ideal for switches, servers, routers and other high-end networking equipment.

Push/Pull Tab Connectors Provide Quick, Easy Connections The hot-pluggable QSFP+ connectors include ergonomic push/pull tabs, which are easily accessible in high-density applications and make the cable easy to install and remove with just one hand.

Engineered and Optimized for Bandwidth-Intense Applications This QSFP+ to QSFP+ cable integrates a 40 Gbps Ethernet-optimized 38-position "board as connector" design. Die-cast zinc connectors offer superior EMI (electromagnetic interference) resistance and reduced crosstalk. The connectors have also been tested to meet stringent insertion loss standards. The QSFP+ optical cable's 8-pair wire technology is optimized for 40GBASE-CR4, 6G SAS, Fibre Channel, PCIe, SONET and InfiniBand applications. The plenum-rated OFNP jacket is designed for connecting network components in drop ceiling, walls and ducts.

Cisco-Compatible Cable Fully Compliant with the Latest Standards This QSFP+ cable is fully compliant with the latest QSFP+ Multi-Source Agreement (MSA), IEEE 802.3ba standards and industry-standard SFF-8436 specifications. It is compatible with all QSFP and QSFP+ ports and Cisco's QSFP-H40G-AOC1M cable.

Highlights

- Ideal for Cisco switches, servers, routers and other high-end networking equipment
- Combines 4 full-duplex 10 Gbps SFP+ lanes for an aggregated 40 Gbps rate
- Multi-platform support for 40 Gb Ethernet, InfiniBand, Fibre Channel and PCIe
- Ergonomic push/pull tabs allow easy one-handed connection and disconnection
- Compliant with QSFP+ MSA and SFF-8436 architecture for full QSFP compatibility

Applications

- 10GBASE-SR and 40GBASE-SR4 Ethernet
- InfiniBand QDR (4x10G), DDR (4x5G) and SDR (4x2.5G)
- 6G SAS and SONET
- High-speed parallel interconnects for high-performance computing (HPC) and data center interconnects (DCI)
- Connect active network equipment in high-end server rooms or enterprise wiring closets

System Requirements

- Network switch or other devices with QSFP or QSFP+ ports

Package Includes

- N28F-10M-AQ QSFP+ to QSFP+ 40Gb Active Optical

Cable (M/M), Aqua, 10 m (32.8 ft.)

Specifications

OVERVIEW	
UPC Code	037332225542
Technology	Multimode; SFP+/QSPP+/QSFP28
Optical Mode	OM3
Mode Type	Multimode

PHYSICAL	
Color	Aqua; Silver
Cable Jacket Material	PVC
Cable Jacket Rating	OFNP
Cable Outer Diameter (OD)	2.9 mm
Clad Diameter	50mµ
Core Diameter	125mµ
Number of Fibers	8
Cable Length (ft.)	32.8
Cable Length (m)	10
Cable Length (in.)	393.7
Minimum Bend Radius	30 mm
Shipping Dimensions (hwd / in.)	0.00 x 0.00 x 0.00
Shipping Weight (kg)	0.00

ENVIRONMENTAL	
Operating Temperature Range	32 to 158 F (0 to 70 C)
Storage Temperature Range	32 to 158 F (0 to 70 C)
Operating Humidity Range	5% TO 85% RH, Non-Condensing
Storage Humidity Range	5% TO 85% RH, Non-Condensing

COMMUNICATIONS	
Network Speed	40Gbe
Wavelength	850nm; 1300nm

Attenuation @ 850NM	3.0dB/KM
Attenuation @ 1300NM	1.0dB/KM
IEEE Standards Supported	802.3BA
CONNECTIONS	
Side A - Connector 1	QSFP+ (MALE)
Side B - Connector 1	QSFP+ (MALE)
Connector Material	Zinc Alloy
FEATURES & SPECIFICATIONS	
Cable Style	Plenum Rated
STANDARDS & COMPLIANCE	
Certifications	RoHS, REACH, UL Compliant (E347511), Laser Safety Compliant (IEC 60825-1:2014)
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty