

# QSFP+ to QSFP+ Active Optical Cable - 40Gb, AOC, M/M, Aqua, 15 m (49.2 ft.)

## MODEL NUMBER: N28F-15M-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 15-meter (49.2-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-15M-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 highend 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 highperformance 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-15M-AQ QSFP+ to QSFP+ 40Gb Active Optical



Cable (M/M), Aqua, 15 m (49.2 ft.)

# **Specifications**

UPC Code03733225559TechnologyMultimode; SFP+/QSPP/QSPP28Optical ModeOM3Mode TypeMultimodePHYSICALAugua: SilverColorAgua: SilverColorAgua: SilverCable Jacket MaterialPVCCable Jacket MaterialOFNPCable Jacket MaterialSomµCable Jacket MaterialSomµCore Diameter (OD)2.9 mmCable Jacket MaterialSomµCable Jacket MaterialSomµCable Jacket MaterialSomµCable Jacket MaterialSomCable Length (tt.)49.2Cable Length (tt.)59.6Multimoute Bend RadiusSomShipping Dimensions (hwd /in.)0.00 × 0.00Shipping Dimensions (hwd /in.)3.10 × 0.00 <t< th=""><th colspan="2">OVERVIEW</th></t<>	OVERVIEW	
Optical Mode         OM3           Mode Type         Multimode           PHYSICAL            Color         Aqua; Silver           Cable Jacket Material         PVC           Cable Jacket Material         PVC           Cable Jacket Material         OFNP           Cable Jacket Rating         OFNP           Cable Jacket Rating         OFNP           Cable Locket Naterial         Somµ           Clad Diameter         Somµ           Core Diameter         125mµ           Number of Fibers         8           Cable Length (ft.)         49.2           Cable Length (m)         15           Cable Length (m.)         590.6           Minimum Bend Radius         30 mm           Shipping Dimensions (hvd / in.)         0.00 × 0.00           Shipping Weight (kg)         0.00           PervireONMENTAL         22 to 158 F (0 to 70 C)           Operating Temperature Range         32 to 158 F (0 to 70 C)           Operating Humidity Range         5% TO 85% RH, Non-Condensing           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	UPC Code	037332225559
Mode Type         Multimode           PHYSICAL         Aqua: Silver           Color         Aqua: Silver           Cable Jacket Material         PVC           Cable Jacket Rating         OFNP           Cable Jacket Rating         Somµ           Cable Jacket Rating         Somµ           Cable Jacket Rating         Somµ           Cable Jameter         Somµ           Core Diameter         125mµ           Number of Fibers         8           Cable Length (ft.)         49.2           Cable Length (m)         15           Cable Length (m)         590.6           Minimum Bend Radius         30 mm           Shipping Dimensions (hwd / in.)         0.00 x 0.00           Shipping Meight (kg)         0.00           Operating Temperature Range         \$2 to 158 F (0 to 70 C)           Storage Temperature Range         \$% TO 85% RH, Non-Condensing           Storage Teumidity Range         \$% TO 85% RH, Non-Condensing           Storage Humidity Range         \$% TO 85% RH, Non-Condensing <td>Technology</td> <td>Multimode; SFP+/QSPP+/QSFP28</td>	Technology	Multimode; SFP+/QSPP+/QSFP28
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COMMUNICATIONS       Network Speed	Operating Humidity Range	5% TO 85% RH, Non-Condensing
Network Speed 40Gbe	Storage Humidity Range	5% TO 85% RH, Non-Condensing
	COMMUNICATIONS	
	Network Speed	40Gbe
Wavelength 850nm; 1300nm	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	

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