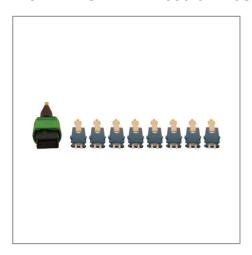




# 40/100/400G Singlemode 9/125 OS2 Breakout Fiber Optic Cable (16F MTP/MPO-APC to 8x Duplex SN-UPC F/M), LSZH, Yellow, 2 m (6.6 ft.)

MODEL NUMBER: N390-02M-8S-AP











40/100/400 GbE Ethernet cable supports high bandwidths necessary for next-gen cloud services, hyperscale data centers and telecom carriers.

#### **Features**

### 40/100/400 GbE Cable Supports High Bandwidths for High-Density Data Networking

The N390-02M-8S-AP is a premium singlemode fiber optic cable that supports 400 Gb Ethernet speeds for transmitting data and voice signals over short distances. As the amount of traffic in data networks grows, so does the need for next-generation devices and fiber cables to support much higher bandwidths in cloud services, hyperscale data centers, telecom applications and equipment OEM companies. This OS2 breakout cable is an ideal choice for 400 Gb Ethernet applications. It is also backward compatible with 40 Gb and 100 Gb networks, so you can future-proof your current application for an eventual upgrade to 400 Gb.

# Compact SN Connector Designed for the Latest OSFP/QSFP-DD Transceivers

One cable end features SN connectors, which are four times smaller than a standard duplex LC connector and provide individual and independent duplex fiber breakout at a quad-style OSFP/QSFP-DD transceiver. Its push/pull boot encourages dense vertical stacking within a crowded patch panel or switch and makes the cable easy to install or remove with just one hand. Switchable SN/UPC duplex ends let you make quick polarity changes in the field without tools or the need to re-terminate the connectors.

#### 100% Tested for Low Insertion Loss and Back Reflection

The 16-fiber MTP/MPO APC connector helps minimize back reflection with low insertion loss. The connector's slim boot is designed for easy cable management.

## Yellow-Colored Jacket Helps Avoid Misidentification That Can Cause Costly Downtime

The OS2-rated cable has a yellow jacket to identify it as singlemode in a crowded patch panel or switch and prevent it from becoming accidentally disconnected. The round low-smoke zero-halogen (LSZH) jacket limits the amount of toxic smoke emitted in case of combustion, making it suitable for poorly ventilated areas.

# **Specifications**

**OVERVIEW** 

# **Highlights**

- Duplex SN connector optimized for the latest 400 Gb OSFP/QSFP-DD transceivers
- Space-saving SN plug is 4x smaller than duplex LC for easier cable management
- MTP/MPO APC connector minimizes back reflection with low insertion loss
- Backward compatible with 40/100 Gb networks to facilitate future-proofing
- Yellow LSZH jacket allows fast, easy identification in a crowded switch or patch panel

# **Package Includes**

N390-02M-8S-AP 40/100/400G Singlemode 9/125 OS2 Fiber Cable, Yellow, 2 m (6.6 ft.)





UPC Code	037332274533	
Technology	Singlemode	
Optical Mode	OS2	
·	Singlemode	
Mode Type	Singlernode	
CONNECTIONS		
Side A - Connector 1	16-STRAND MTP/MPO (FEMALE)	
Side B - Connector 1	(8) SN DUPLEX (MALE)	
Endface Polish	APC; UPC	
PHYSICAL		
Cable Jacket Color	Yellow	
Connector Color	Black; Blue; Green; White	
Cable Jacket Material	LSZH	
Cable Jacket Rating	OFNR	
Cable Outer Diameter (OD)	3.0 mm	
Clad Diameter (microns)	125.0	
Core Diameter (microns)	9.0	
Primary Coating Diameter (microns)	245.0	
Number of Fibers	16	
Cable Length (ft.)	6.6	
Cable Length (m)	2.01	
Cable Length (in.)	78.7	
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)	
Fiber Cable Length	2M (6.6 ft)	
ENVIRONMENTAL		
Operating Temperature Range	14° to 140°F (-10° to 60°C)	
Storage Temperature Range	14° to 140°F (-10° to 60°C)	
Operating Humidity Range	5% to 85% RH, Non-Condensing	
Storage Humidity Range	5% to 85% RH, Non-Condensing	
COMMUNICATIONS		
Network Compatibility	40 Gbps; 100 Gbps; 400 Gbps	
Wavelength	1310nm; 1550nm	
Attenuation @ 1310NM	0.40 dB/km	
Attenuation @ 1550NM	0.30 dB/km	
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Insertion Loss	MTP/MPO: < 0.70 dB; SN: < 0.30 dB	
FEATURES & SPECIFICATIONS		
Push/Pull Tabs	No	
Breakout	Yes	
Optical Port	MPO/MTP; SN	
STANDARDS & COMPLIANCE		
Product Certifications	UL 1651	
Product Compliance	RoHS; CE (Europe); REACH	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	Lifetime limited warranty	

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