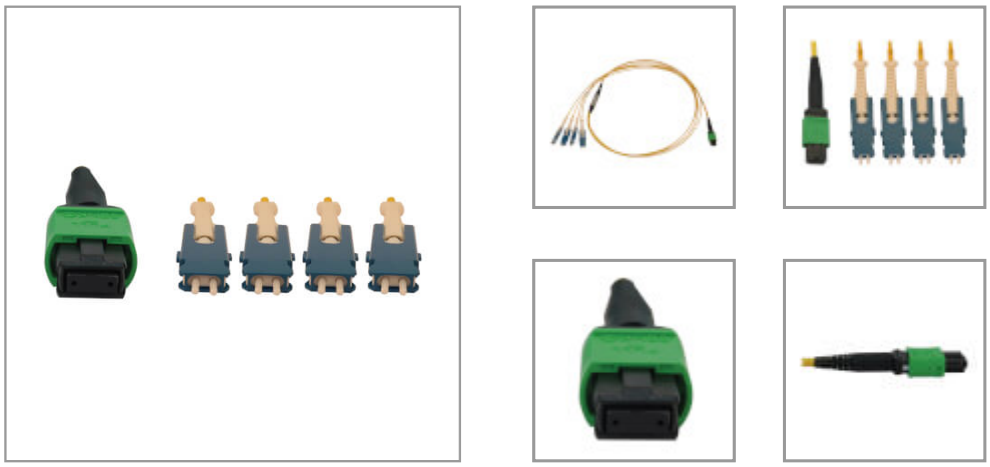
40/100/400G Singlemode 9/125 OS2 Breakout Fiber Optic Cable (12F MTP/MPO-APC to 4x Duplex SN-UPC F/M), LSZH, Yellow, 1 m (3.3 ft.)

MODEL NUMBER: **N390-01M-4S-AP**



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

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

N390-01M-4S-AP 40/100/400G Singlemode 9/125 OS2 Fiber Cable, Yellow, 1 m (3.3 ft.)

Features

40/100/400 GbE Cable Supports High Bandwidths for High-Density Data Networking
The N390-01M-4S-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 12-fiber MTP/MPO APC connector with a green housing 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

UPC Code	037332274526
Technology	Singlemode
Optical Mode	OS2
Mode Type	Singlemode
CONNECTIONS	
Side A - Connector 1	12-STRAND MTP/MPO (FEMALE)
Side B - Connector 1	(4) 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	12
Cable Length (ft.)	3.3
Cable Length (m)	1.01
Cable Length (in.)	39.4
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Fiber Cable Length	1M (3.3 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

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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