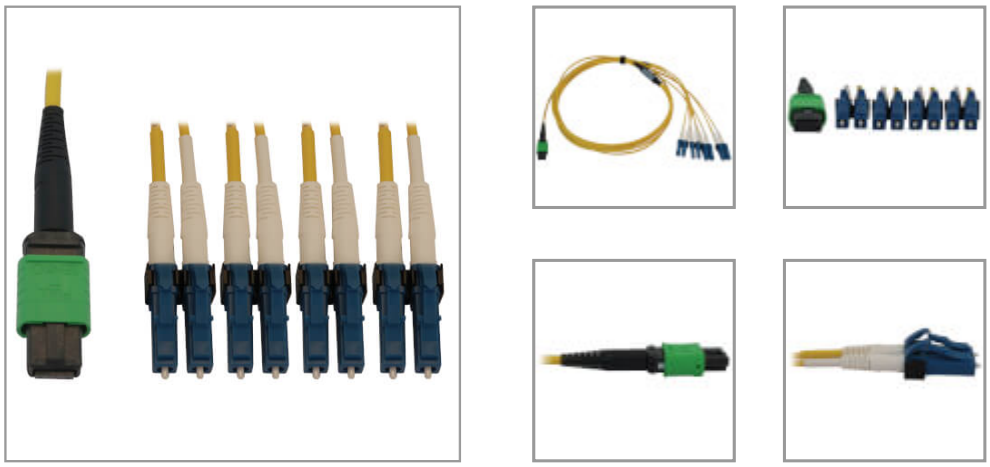
400G Singlemode 9/125 OS2 Switchable Fiber Optic Cable (12F MTP/MPO-APC to 4x Duplex LC/UPC F/M), LSZH, Yellow, 2 m (6.6 ft.)

MODEL NUMBER: **N390X-02M-8L-AP**



400 GbE Ethernet breakout cable supports high bandwidths necessary for enterprise applications in wiring closets, telecom rooms and data centers.

Highlights

- Switchable LC connectors allow polarity conversion without tools or re-termination
- MTP/MPO APC connector minimizes back reflection with low insertion loss
- Backward compatible with 10/25/40 Gb networks to facilitate future-proofing
- Yellow LSZH jacket allows fast, easy identification in a crowded switch or patch panel

Package Includes

N390X-02M-8L-AP 400G Singlemode 9/125 OS2 Switchable Fiber Optic Cable, Yellow, 2 m (6.6 ft.)

Features

40/100/400 GbE Cable Supports Higher Bandwidths for High-Density Data Networking
The N390X-02M-8L-AP is a premium multimode fiber optic cable that supports 400 Gb Ethernet speeds for transmitting data and voice signals over short distances. It is designed to support higher bandwidths for high-density patching between data center MDFs and IDFs in enterprise installations. This singlemode 9/125 OS2 cable is an ideal choice for 100 Gb Ethernet applications up to 100 meters (328 feet) at 1550 nm. The breakout cable also eliminates the need for long fan-out cables or long individual duplex cable runs.

Switchable Connectors Allow Easy Polarity Conversions
The switchable LC/UPC duplex ends let you easily switch the fiber polarity 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 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	037332272386
Technology	Fiber; Singlemode

Optical Mode	OS2
CONNECTIONS	
Side A - Connector 1	12-STRAND MTP/MPO (FEMALE)
Side B - Connector 1	(4) LC DUPLEX (MALE)
Endface Polish	APC; UPC
Switchable Polarity	Yes
PHYSICAL	
Cable Jacket Color	Yellow
Connector Color	Blue; Green; Black
Cable Jacket Material	LSZH
Cable Jacket Rating	OFNR
Clad Diameter (microns)	125.0
Core Diameter (microns)	9.0
Primary Coating Diameter (microns)	245.0
Number of Fibers	2
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)
Relative Humidity	5% to 85% RH, Non-Condensing
COMMUNICATIONS	
Network Compatibility	10 Gbps; 40 Gbps; 100 Gbps; 400 Gbps
Wavelength	1310nm; 1550nm
Attenuation @ 1310NM	0.40 dB/km
Attenuation @ 1550NM	0.30 dB/km
Insertion Loss	0.70 dB
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	Yes
Breakout	Yes

Optical Port	MPO/MTP
STANDARDS & COMPLIANCE	
Product Certifications	UL 1666
Product Compliance	RoHS; CE (Europe); REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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