1000 Eaton Boulevard
Cleveland, OH 44122
United States

Important Note

Singlemode can support 40GBASE-PLR4 / 100GBASE-PSM4 in applicable parallel optics networks.

MTP/MPO (APC) to 4xLC (UPC) Singlemode Breakout Patch Cable, 40/100 GbE, QSFP+ 40GBASE-PLR4, Plenum, Yellow, 5 m (16 ft.)

MODEL NUMBER: **N390-05M-8LC-AP**







Premium 9/125 singlemode fiber optic cabling for transmitting 40/100 Gb data and voice signals. Designed for high-density fiber patching between data center MDFs and IDFs in enterprise installations.

Features

9/125 Rated Singlemode Cable for 40/100 Gb Ethernet Applications

- Designed for high-density fiber patching between data center MDFs and IDFs in enterprise installations
- Optimized for QSFP+ 40GBASE-PLR4 and QSFP28 100GBASE-PSM4 networks
- Plenum-rated jacket suited for ceilings, walls and ducts
- Yellow-colored for identification as a singlemode cable

MTP/MPO APC and LC Duplex UPC Connectors with Push/Pull Tabs

- MTP/MPO female connector and 8 LC duplex male connectors—no splicing required
- 12-fiber MTP/MPO connector 12 times denser than SC connector
- APC connector angled to prevent light from reflecting back into laser
- UPC connector with premium-grade ceramic ferrule for 10 GbE and faster applications
- Push/pull tabs easy to install and remove with one hand

Error-Free Signal Transfer

- Fully transmits 40GBASE-PLR4 with 4 fibers transmitting at 10 Gbps in each direction
- 100% tested for low insertion loss and back reflection
- Slim, space-saving uniboot design easier to manage in crowded applications

Highlights

- Push/pull tab connectors install/remove with one hand
- 12-fiber MTP/MPO connectors with 12x density of SC connectors
- Slim space-saving uniboot design for easy cable management
- Angled APC connectors protect laser against destabilization
- Yellow color for quick singlemode identification

Package Includes

- N390-05M-8LC-AP MTP/MPO to 8xLC Singlemode Breakout Patch Cable, Yellow, 5 m

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Specifications

OVERVIEW	
UPC Code	037332205605
Technology	Singlemode
Optical Mode	OS2
PHYSICAL	
Cable Jacket Color	Yellow
Connector Color	Blue; Green; Black
Cable Jacket Material	PVC
Cable Jacket Rating	OFNP
Clad Diameter (microns)	125
Core Diameter (microns)	9
Number of Fibers	8
Cable Length (ft.)	16.4
Cable Length (m)	5.00
Cable Length (in.)	196.9
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50
Shipping Dimensions (hwd / cm)	22.86 x 17.78 x 1.27
Shipping Weight (lbs.)	0.21
Shipping Weight (kg)	0.10
Fiber Cable Length	5M (16.4 ft)
ENVIRONMENTAL	
Operating Temperature Range	-4° to 140°F (-20° to 60°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Operating Humidity Range	5% to 85% RH, Non-Condensing
Storage Humidity Range	35% to 65% RH, Non-Condensing
COMMUNICATIONS	
Network Compatibility	40 Gbps; 100 Gbps; 400 Gbps
Attenuation @ 1310NM	0.36 dB/km
Attenuation @ 1550NM	0.22 dB/km
Insertion Loss	MPO 0.70 dB; LC 0.30 dB

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CONNECTIONS	
Side A - Connector 1	12-STRAND MTP/MPO (FEMALE)
Side B - Connector 1	(8) LC DUPLEX (MALE)
Endface Polish	APC; UPC
Polarity	Type B (cross)
FEATURES & SPECIFICATIONS	
Push/Pull Tabs	Yes
Breakout	Yes
Trunk	No
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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