

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, 3 m (10 ft.)

MODEL NUMBER: N390-03M-8LC-AP



Premium 8.3/125 singlemode fiber optic cabling for transmitting 40/100 Gb data and voice signals. Designed for high-density fiber patching between data center MDFs and IDF's 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 IDF's 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

## Specifications

### 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

- N390-03M-8LC-AP MTP/MPO to 8xLC Singlemode Breakout Patch Cable, Yellow, 3 m



| <b>OVERVIEW</b>                 |  |
|---------------------------------|--|
| UPC Code                        | 037332205599                                   |
| Technology                      | Singlemode                                     |
| Optical Mode                    | OS2  |
| <b>PHYSICAL</b>                 |  |
| Cable Jacket Color              | Yellow   |
| Cable Jacket Material           | PVC  |
| Cable Jacket Rating             | OFNP   |
| Clad Diameter (microns)         | 125  |
| Core Diameter (microns)         | 9  |
| Number of Fibers                | 8  |
| Cable Length (ft.)              | 9.8  |
| Cable Length (m)                | 2.99   |
| Cable Length (in.)              | 118.1  |
| Minimum Bend Radius             | 20MM (Dynamic); 10MM (Static)                  |
| Shipping Dimensions (hwd / cm)  | 22.86 x 17.78 x 1.27                           |
| Shipping Dimensions (hwd / in.) | 9.00 x 7.00 x 0.50                             |
| Shipping Weight (kg)            | 0.08   |
| Shipping Weight (lbs.)          | 0.17   |
| <b>ENVIRONMENTAL</b>            |  |
| 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                  |
| <b>COMMUNICATIONS</b>           |  |
| Network Compatibility           | 10 Gbps; 40 Gbps; 100 Gbps; 400 Gbps; 800 Gbps |
| Attenuation @ 1310NM            | 0.36dB/Km                                      |
| Attenuation @ 1550NM            | 0.22dB/Km                                      |
| Insertion Loss                  | MPO0.70dB; LC0.30dB                            |
| <b>CONNECTIONS</b>              |  |
| Side A - Connector 1            | 12-STRAND MTP/MPO (FEMALE)                     |
| Side B - Connector 1            | (8) LC DUPLEX (MALE)                           |



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|                                      |                           |
|--------------------------------------|---------------------------|
| Endface Polish                       | APC; UPC                  |
| Connector Color                      | Blue; Green; Black        |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                           |
| Push/Pull Tabs                       | Yes                       |
| Breakout                             | Yes                       |
| Trunk                                | No                        |
| <b>STANDARDS &amp; COMPLIANCE</b>    |                           |
| Certifications                       | RoHS, REACH               |
| <b>WARRANTY</b>                      |                           |
| Product Warranty Period (Worldwide)  | Lifetime limited warranty |

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