

#### Important Note

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

## MTP/MPO (APC) Singlemode Patch Cable (F/F), 12 Fiber, 40/100 GbE, QSFP+ 40GBASE-PLR4, Plenum, Push/Pull Tab, Yellow, 7 m (23 ft.)

MODEL NUMBER: N390-07M-12-AP



Premium 9/125 singlemode fiber optic cabling for transmitting 40/100 Gb data and voice signals over long distances. Designed for enterprise applications in wiring closets, telecom rooms and data centers.

#### Features

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

- Designed for enterprise applications in wiring closets, telecom rooms and data centers
- Recommended for QSFP+ applications in enterprise installations
- Plenum-rated jacket suited for ceilings, walls and ducts
- Yellow-colored for identification as a singlemode cable

##### MTP/MPO APC Connectors with Push/Pull Tabs

- 12-fiber female connectors 12 times denser than SC connectors
- APC connector angled to prevent light from reflecting back into laser
- Push/pull tabs easy to install and remove with one hand
- 100% tested for low insertion loss and back reflection

#### Highlights

- Push/pull tab connectors easily install/remove with one hand
- 12-fiber MTP/MPO connectors with 12x density of SC connectors
- 100% tested for low insertion loss and back reflection
- Angled APC connectors protect laser against destabilization
- Yellow color for easy singlemode identification

#### Package Includes

- N390-07M-12-AP MTP/MPO Singlemode Patch Cable (F/F), Yellow, 7 m

## Specifications

| OVERVIEW     |              |
|--------------|--------------|
| UPC Code     | 037332205391 |
| Technology   | Singlemode   |
| Optical Mode | OS2          |



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| CONNECTIONS                     |                                 |
|---------------------------------|---------------------------------|
| Side A - Connector 1            | 12F MPO (FEMALE)                |
| Side B - Connector 1            | 12F MPO (FEMALE)                |
| Endface Polish                  | APC                             |
| Polarity                        | Type B (cross)                  |
| PHYSICAL                        |                                 |
| Cable Jacket Color              | Yellow                          |
| Connector Color                 | Green; Black                    |
| Cable Jacket Material           | PVC                             |
| Cable Jacket Rating             | OFNP                            |
| Clad Diameter (microns)         | 125                             |
| Core Diameter (microns)         | 9                               |
| Number of Fibers                | 12                              |
| Cable Length (ft.)              | 23                              |
| Cable Length (m)                | 7.01                            |
| Cable Length (in.)              | 275.6                           |
| Minimum Bend Radius             | 20 mm (Dynamic); 10 mm (Static) |
| Shipping Dimensions (hwd / in.) | 0.50 x 7.00 x 9.00              |
| Shipping Dimensions (hwd / cm)  | 1.27 x 17.78 x 22.86            |
| Shipping Weight (lbs.)          | 0.30                            |
| Shipping Weight (kg)            | 0.14                            |
| Fiber Cable Length              | 7M (23 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                  | 0.70 dB                         |
| FEATURES & SPECIFICATIONS       |                                 |

|                                     |                           |
|-------------------------------------|---------------------------|
| Push/Pull Tabs                      | Yes                       |
| Breakout                            | No                        |
| Trunk                               | No                        |
| STANDARDS & COMPLIANCE              |                           |
| Product Compliance                  | RoHS; REACH               |
| WARRANTY & SUPPORT                  |                           |
| Product Warranty Period (Worldwide) | Lifetime limited warranty |

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