

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

Specifications



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| OVERVIEW | |
|---------------------------------|---------------------------------|
| UPC Code | 037332205605 |
| Technology | Singlemode |
| Optical Mode | OS2 |
| CONNECTIONS | |
| Side A - Connector 1 | 12F MPO (FEMALE) |
| Side B - Connector 1 | (8) LC DUPLEX (MALE) |
| Endface Polish | APC; UPC |
| Polarity | Type B (cross) |
| 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 |



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| | |
|-------------------------------------|---------------------------|
| Attenuation @ 1310NM | 0.36 dB/km |
| Attenuation @ 1550NM | 0.22 dB/km |
| Insertion Loss | MPO 0.70 dB; LC 0.30 dB |
| 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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