# 40/100G Singlemode 9/125 OS2 Fiber Optic Cable (12F MTP/MPO-APC F/F), LSZH, Yellow, 5 m (16.4 ft.)

MODEL NUMBER: **N390B-05M-12-AP**

## Highlights

- OS2-rated cable recommended for 100 Gb speeds up to 100 meters (@ 1550 nm)
- MTP/MPO APC connectors minimize back reflection with low insertion loss
- Backward compatible with 10/25/40 Gb networks to facilitate future-proofing
- Yellow LSZH jacket allows fast, easy ID in a crowded switch or patch panel

### Package Includes

N390B-05M-12-AP 40/100G Singlemode 9/125 OS2 Fiber Optic Cable, Yellow, 5 m (16.4 ft.)

40/100 GbE Ethernet cable supports high bandwidths necessary for enterprise applications in wiring closets, telecom rooms and data centers.

## Features

**100 GbE Cable Supports Higher Bandwidths Needed for Data Networking**
As the amount of traffic in data networks grows, so does the need for devices and fiber cables to support higher bandwidths in enterprise applications in wiring closets, telecom rooms and data centers. This singlemode 9/125 OS2 cable is an ideal choice for 100G Ethernet applications up to 100 meters (328 feet) at 1550 nm. It is also backward compatible with 10 Gb, 25 Gb and 40 Gb networks, so you can future-proof your current application for an eventual upgrade to 100 Gb.

**100% Tested for Low Insertion Loss and Back Reflection**
The 12-fiber MTP/MPO APC connectors with green housings help minimize back reflection with low insertion loss.

**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 | 037332272102 |
| Technology | Fiber; Singlemode |
| Optical Mode | OS2 |

**PHYSICAL**

| | |
|---|---|
| Cable Jacket Color | Yellow |
| Connector Color | 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.) | 16.4 |
| Cable Length (m) | 5.00 |
| Cable Length (in.) | 196.85 |
| Minimum Bend Radius | 20MM (Dynamic); 10MM (Static) |

**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 | 100 Gbps; 40 Gbps; 400 Gbps |
| Wavelength | 1310nm; 1550nm |
| Attenuation @ 1310NM | 0.40 dB/KM |
| Attenuation @ 1550NM | 0.30 dB/KM |
| Insertion Loss | 0.70 dB |

**CONNECTIONS**

| | |
|---|---|
| Side A - Connector 1 | 12-STRAND MTP/MPO (FEMALE) |
| Side B - Connector 1 | 12-STRAND MTP/MPO (FEMALE) |
| Endface Polish | APC |

**FEATURES & SPECIFICATIONS**

| | |
|---|---|
| Optical Port | MPO/MTP |

**STANDARDS & COMPLIANCE**

| | |
|---|---|
| Product Certifications | UL 1666 |

| Product Compliance | RoHS; CE (Europe); REACH |
| --- | --- |
| **WARRANTY** | |
| Product Warranty Period (Worldwide) | Lifetime limited warranty |