# 400G Multimode 50/125 OM4 Fiber Optic Cable (Duplex SN-PC M/M), LSZH, Magenta, 3 m (9.8 ft.)

MODEL NUMBER: **N823S-03M-MG**
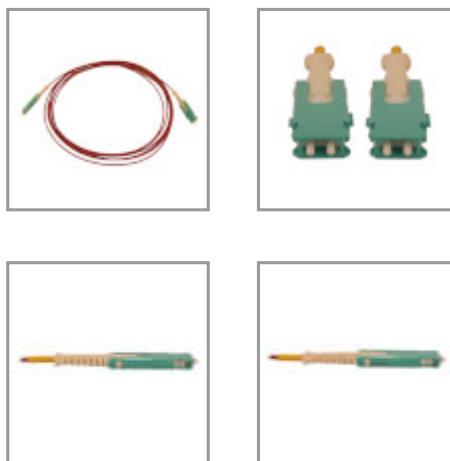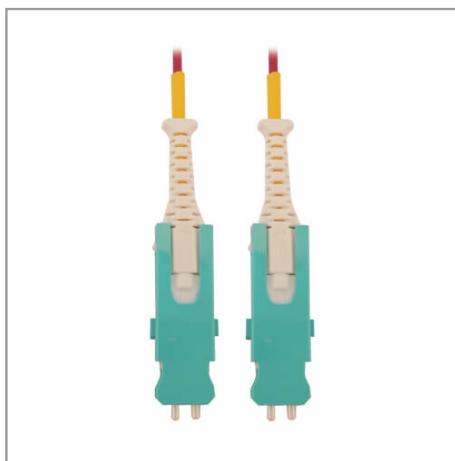
400 GbE Ethernet cable supports high bandwidths necessary for next-gen cloud services, hyperscale data centers and telecom carriers.

## Features

**400 GbE Cable Supports High Bandwidths for High-Density Data Networking**
The N823S-03M-MG is a premium multimode fiber optic cable that supports 400 Gb Ethernet speeds for transmitting data and voice signals over short distances. As the amount of traffic in data networks grows, so does the need for next-generation devices and fiber cables to support much higher bandwidths in hyperscale, edge, enterprise and colocation data center interconnect (DCI) applications where density and speed are both very important.

**Compact SN Connectors Designed for the Latest OSFP/QSFP-DD Transceivers**
This 400 Gb cable features duplex SN connectors on both ends. SN connectors are four times smaller than standard LC connectors and provide individual and independent duplex fiber support for OSFP/QSFP-DD transceivers. Push/pull boots encourage dense vertical stacking within a crowded patch panel or switch and make the cable easy to install or remove with just one hand. The switchable SN/PC ends let you make quick polarity changes in the field without tools or the need to re-terminate the connectors.

**Magenta-Colored Jacket Helps Avoid Misidentification That Can Cause Costly Downtime**
The OM4-rated cable has a magenta jacket to identify it as multimode 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 | 037332274564 |
| Technology | Multimode |
| Optical Mode | OM4 |
| Mode Type | Multimode |

| CONNECTIONS | |
|---|---|
| Side A - Connector 1 | SN DUPLEX (MALE) |
| Side B - Connector 1 | SN DUPLEX (MALE) |
| Endface Polish | PC |
| Switchable Polarity | Yes |

| PHYSICAL | |
|---|---|
| Cable Jacket Color | Magenta |
| Connector Color | Aqua; White |
| Cable Jacket Material | LSZH |
| Cable Jacket Rating | OFNR |
| Cable Outer Diameter (OD) | 1.60 mm |
| Clad Diameter (microns) | 125.0 |
| Core Diameter (microns) | 50.0 |
| Primary Coating Diameter (microns) | 245.0 |
| Number of Fibers | 2 |
| Cable Length (ft.) | 9.8 |
| Cable Length (m) | 2.99 |
| Cable Length (in.) | 118.1 |
| Minimum Bend Radius | 20 mm (Dynamic); 10 mm (Static) |
| Fiber Cable Length | 3M (9.8 ft) |

| ENVIRONMENTAL | |
|---|---|
| Operating Temperature Range | 14° to 140°F (-10° to 60°C) |
| Storage Temperature Range | 14° to 140°F (-10° to 60°C) |
| Operating Humidity Range | 5% to 85% RH, Non-Condensing |
| Storage Humidity Range | 5% to 85% RH, Non-Condensing |

| COMMUNICATIONS | |
|---|---|
| Network Compatibility | 400 Gbps |
| Wavelength | 1300nm; 850nm |
| Attenuation @ 850NM | 3.5dB |
| Attenuation @ 1300NM | 1.5dB |
| Insertion Loss | < 0.20 dB |

| FEATURES & SPECIFICATIONS | |
|---|---|
| Push/Pull Tabs | No |

| | |
|---|---|
| Breakout | No |
| Trunk | No |
| Optical Port | SN |

| **STANDARDS & COMPLIANCE** | |
|---|---|
| Product Certifications | UL 1651 |
| Product Compliance | RoHS; CE (Europe); REACH |

| **WARRANTY & SUPPORT** | |
|---|---|
| Product Warranty Period (Worldwide) | Lifetime limited warranty |

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