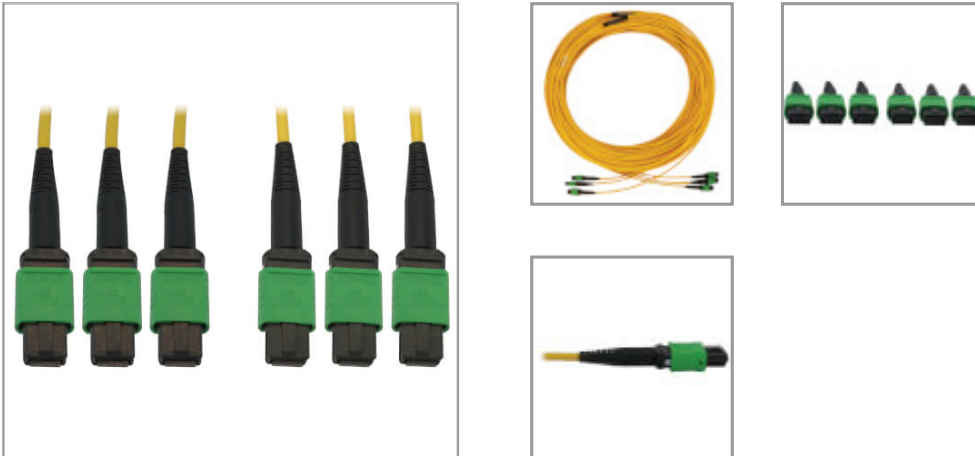# 40/100G Singlemode 9/125 OS2 Fiber Optic Cable (3x8F MTP/MPO-APC F/F), LSZH, Yellow, 45 m (147 ft.)

MODEL NUMBER: **N392B-45M-3X8AP**

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

N392B-45M-3X8AP 40/100G Singlemode 9/125 OS2 Fiber Optic Cable, Yellow, 45 m (147 ft.)

40/100 GbE Ethernet cable extends high-density connections between network components in enterprise applications in wiring closets, telecom rooms and data centers.

Features

40/100 GbE Cable Supports Higher Bandwidths Needed for High-Density Data Networking
As the amount of traffic in data networks grows, so does the need for devices and fiber cables to support higher bandwidths for high-density patching between data center MDFs and IDFs in enterprise installations. 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 and 25 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 factory-terminated 8-fiber MTP/MPO APC connectors help minimize back reflection with low insertion loss. The connector's slim boot and green housing allow easy one-handed installation and removal of the cable.

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	037332272218
Technology	Singlemode
Optical Mode	OS2

PHYSICAL

Cable Jacket Color	Yellow
Connector Color	Green; Black
Cable Jacket Material	PVC
Clad Diameter (microns)	125.0
Core Diameter (microns)	9.0
Primary Coating Diameter (microns)	245.0
Number of Fibers	24
Cable Length (ft.)	147.6
Cable Length (m)	45.00
Cable Length (in.)	1771.2
Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Fiber Cable Length	45M (147.6 ft)

ENVIRONMENTAL

Operating Temperature Range	-4° to 140°F (-20° to 60°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Relative Humidity	5% to 85% RH, Non-Condensing

COMMUNICATIONS

Network Compatibility	10 Gbps; 40 Gbps; 100 Gbps; 400 Gbps
Attenuation @ 1310NM	0.4 dB/km
Attenuation @ 1550NM	0.3 dB/km
Insertion Loss	0.70 dB

CONNECTIONS

Side A - Connector 1	(3) 8-STRAND MTP/MPO (FEMALE)
Side B - Connector 1	(3) 8-STRAND MTP/MPO (FEMALE)
Endface Polish	APC

FEATURES & SPECIFICATIONS

Push/Pull Tabs	Yes
Breakout	Yes
Trunk	Yes

STANDARDS & COMPLIANCE

Product Certifications	UL 1666
Product Compliance	RoHS; CE (Europe); REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty