

## MFP7E40-N0xx-C

Up to 15m Mellanox® Compatible MPO-8/APC to 2xMPO/APC Yellow OS2 LSZH 8-Strand Fiber Patch Cable

### Features

- MPO Female Connectors
- 9/125 Patch cable
- LSZH
- Yellow Jacket Color
- OS2 Rated
- Insertion Loss  $\leq 0.5\text{dB}$
- Return Loss  $\geq 30\text{dB}$



### Product Description

This is a Mellanox® compatible MPO-8/APC to 2xMPO/APC Yellow OS2 LSZH 8-Strand Fiber Patch Cable. OS2 fiber optic cable is a high-performance single-mode fiber designed for long-distance data transmission, making it ideal for businesses requiring reliable and fast network connections over longer distances up to 200kilometers. With low signal loss and the ability to support 1G to 100G speeds, ensuring efficient communication across offices, data centers, or industrial facilities. LSZH (Low Smoke Zero Halogen) fiber cable jackets are designed to minimize toxic smoke and harmful emissions in the event of a fire, making them ideal for enclosed or high-traffic areas. These cables provide enhanced safety and environmental protection, making them a popular choice for businesses prioritizing workplace safety and eco-friendly infrastructure. The Standard Boot option provides reliable and straightforward connections for fiber cables, making it an economical choice for various networking applications. Ideal for businesses that require dependable performance without the complexity, this option ensures consistent data transmission in everyday network setups. Our cables are TIA compliant, ensuring performance for all networking needs.

### Order Information

Part Numbers	Descriptions
MFP7E40-N003-C	Mellanox® Compatible 3m MPO-8/APC to 2xMPO/APC Yellow OS2 LSZH 8-Strand Fiber Patch Cable
MFP7E40-N005-C	Mellanox® Compatible 5m MPO-8/APC to 2xMPO/APC Yellow OS2 LSZH 8-Strand Fiber Patch Cable
MFP7E40-N007-C	Mellanox® Compatible 7m MPO-8/APC to 2xMPO/APC Yellow OS2 LSZH 8-Strand Fiber Patch Cable

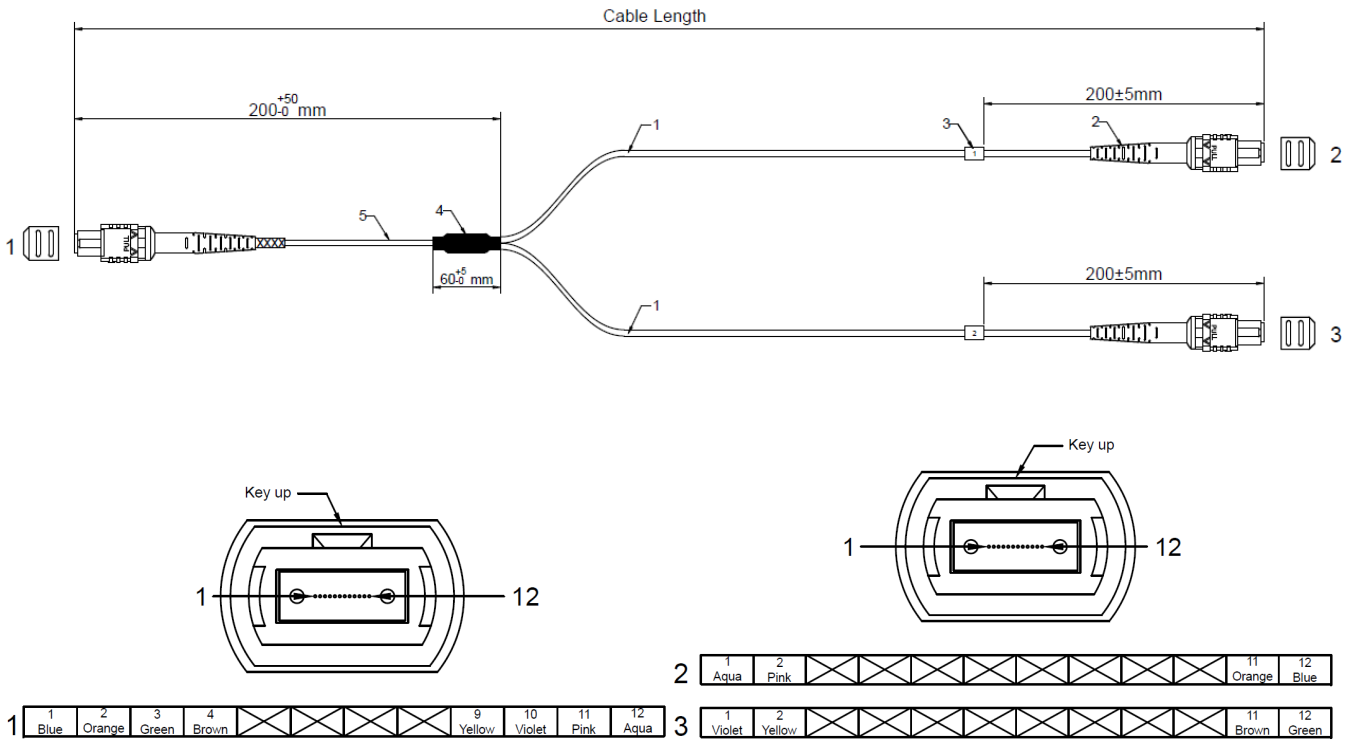
<b>MFP7E40-N010-C</b>	Mellanox® Compatible 10m MPO-8/APC to 2xMPO/APC Yellow OS2 LSZH 8-Strand Fiber Patch Cable
<b>MFP7E40-N015-C</b>	Mellanox® Compatible 15m MPO-8/APC to 2xMPO/APC Yellow OS2 LSZH 8-Strand Fiber Patch Cable

## Specifications

Parameter	Specifications
Environment	Indoor
Standard	OS2
Fiber Type	SMF
Connector	AMPO (Female) to 2xAMPO (Female)
Color	Yellow
Shielded	No
Strand Count	8
Cable Mode	Multiple
Jacket Type	LSZH
Termination Type	Crossover
Core/Cladding	9/125µm
Fiber Termination	APC - Angled Physical Contact
Polarity	Method B
Cable Type	OS2
Armored	No
Bend Insensitivity	G.657.A1
Connector 1 Ferrule Polish	APC (Angled Physical Contact)
Connector 2 Ferrule Polish	APC (Angled Physical Contact)
Insertion Loss Grade	Grade C
Fire Rating	General Purpose (OFNG)
Jacket Material	LSZH (Low Smoke Zero Halogen)
Outer Diameter	3.0mm
Connector 1 Boot Style	Standard Boot
Connector 2 Boot Style	Standard Boot
Connector 1 Color	Green
Connector 2 Color	Green
Insertion Loss	≤0.50dB
Return Loss	≥30dB

Cable Tolerance	
Cable Length <1m	5cm
1m≤ Cable Length <15m	10cm
15m≤ Cable Length <30m	15cm
Cable Length ≥30m	Cable Length* 1%

### Mechanical Specifications



Item	Quantity	Specifications
1	A/R	2*OD: 3.0mm, Single-Mode OS2, 12 Fibers Micro Cable, LSZH, Color: Yellow
2	3	MPO/APC Female SM, 12 Fibers, 3.0mm Connector, Green Housing, Black Boot
3	2	Channel Marker
4	1	Fanout Kit
5	A/R	OD: 3.0mm, Single-Mode OS2, 12 Fibers Micro Cable, LSZH, Color: Yellow

## About ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

## Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

## Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.



## Contact Information

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