

## MFP7E30-N0xx-C

Up to 50m Mellanox® Compatible Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH 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 angled MPO (female) to angled MPO (female) 12-strand yellow OS2 crossover polarity-B LSZH fiber patch cable. OS2 is a standard single-mode optical fiber commonly used with wavelengths of 1310nm and 1550nm (9/125 microns), and has a maximum attenuation of 1dB/km. The OS2 standard is defined in ISO/IEC 11801. This low smoke zero halogen cable reduces the amount of toxic and corrosive gas emitted during combustion. This type of material is typically used in poorly ventilated areas such as aircrafts, rail cars or ships and will self-extinguish. Our patch cables are 100% compliant for all of your networking needs and are guaranteed by federal law to not affect or void OEM warranties.

### Order Information

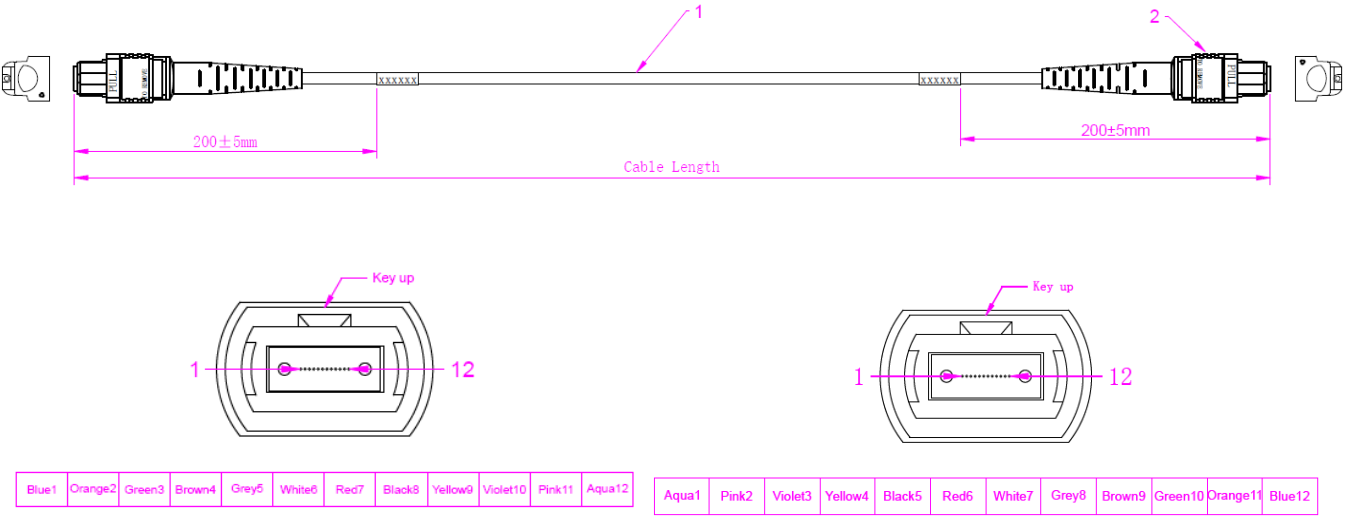
Part Numbers	Descriptions
MFP7E30-N001-C	Mellanox® Compatible 1m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
MFP7E30-N002-C	Mellanox® Compatible 2m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
MFP7E30-N003-C	Mellanox® Compatible 3m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
MFP7E30-N005-C	Mellanox® Compatible 5m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
MFP7E30-N007-C	Mellanox® Compatible 7m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
MFP7E30-N010-C	Mellanox® Compatible 10m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
MFP7E30-N012-C	Mellanox® Compatible 12m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable

<b>MFP7E30-N015-C</b>	MellanoX® Compatible 15m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
<b>MFP7E30-N017-C</b>	MellanoX® Compatible 17m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
<b>MFP7E30-N020-C</b>	MellanoX® Compatible 20m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
<b>MFP7E30-N022-C</b>	MellanoX® Compatible 22m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
<b>MFP7E30-N025-C</b>	MellanoX® Compatible 25m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
<b>MFP7E30-N030-C</b>	MellanoX® Compatible 30m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
<b>MFP7E30-N040-C</b>	MellanoX® Compatible 40m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable
<b>MFP7E30-N050-C</b>	MellanoX® Compatible 50m Angled MPO (Female) to Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable

## Specifications

Parameter	Specifications
<b>Standard</b>	OS2
<b>Fiber Type</b>	SMF
<b>Application</b>	Patch
<b>Cable Mode</b>	Multiple
<b>Color</b>	Yellow
<b>Connectors</b>	MPO (Female) to MPO (Female)
<b>Core/Cladding</b>	9/125µm
<b>Jacket Type</b>	LSZH
<b>Fiber Termination</b>	APC – Angled Physical Contact
<b>Strand Count</b>	12
<b>Termination Type</b>	Crossover
<b>Media</b>	Fiber
<b>Shielded</b>	Not Shielded
<b>Polarity</b>	Type-B (Crossover)
<b>Insertion Loss</b>	≤0.50dB
<b>Return Loss</b>	≥30dB
<b>Cable Tolerance</b>	
<b>Cable Length &lt;1m</b>	5cm
<b>1m≤ Cable Length &lt;15m</b>	10cm
<b>15m≤ Cable Length &lt;30m</b>	15cm
<b>Cable Length ≥30m</b>	Cable Length* 1%

Mechanical Specifications



Item	Quantity	Specifications
1	A/R	OD: 3.0mm, Single-Mode OS2, 12 Fibers Micro Cable, LSZH, Color: Yellow
2	2	MPO/APC Female Single-Mode, 12 Fibers, 3.0mm Connector, Green Housing, Black Boot

## 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

ProLabs US

Email: [sales@prolabs.com](mailto:sales@prolabs.com)

Telephone: 952-852-0252

ProLabs UK

Email: [salesupport@prolabs.com](mailto:salesupport@prolabs.com)

Telephone: +44 1285 719 600

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