

### MFP7E10-N0xx-AO

Up to 50m Mellanox® Compatible Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable

#### Features

- MPO Female Connectors
- 50/125 Patch cable
- LSZH
- Aqua Jacket Color
- OM4 Rated
- Insertion Loss ≤ 0.5dB
- Return Loss ≥ 30dB



#### Product Description

This is a Mellanox® compatible angled MPO (female) to MPO (female) 12-strand aqua OM4 crossover polarity-B LSZH fiber patch cable. An OM4 cable has a core size of 50m microns that supports 10 Gigabit Ethernet at lengths measuring up to 550 meters, and 400 Gigabit Ethernet measuring up to 100 meters and is reverse compatible with OM3. 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. Our products are guaranteed by federal law to not affect or void OEM warranties.

#### Order Information

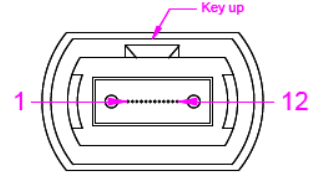
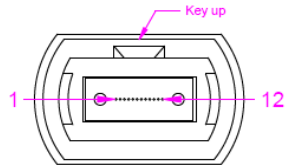
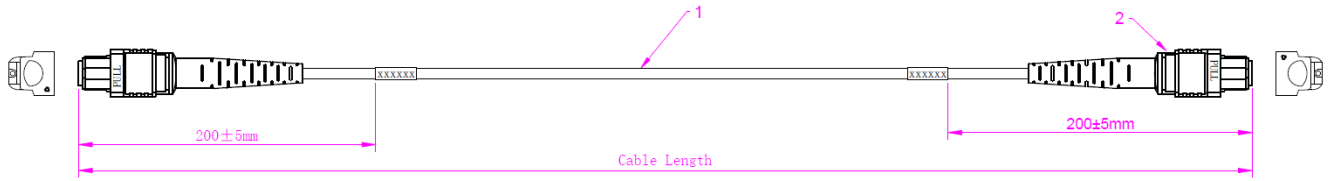
Part Numbers	Descriptions
MFP7E10-N001-AO	Mellanox® Compatible 1m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
MFP7E10-N002-AO	Mellanox® Compatible 2m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
MFP7E10-N003-AO	Mellanox® Compatible 3m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
MFP7E10-N005-AO	Mellanox® Compatible 5m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
MFP7E10-N007-AO	Mellanox® Compatible 7m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable

<b>MFP7E10-N010-AO</b>	Mellanox® Compatible 10m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
<b>MFP7E10-N015-AO</b>	Mellanox® Compatible 15m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
<b>MFP7E10-N020-AO</b>	Mellanox® Compatible 20m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
<b>MFP7E10-N025-AO</b>	Mellanox® Compatible 25m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
<b>MFP7E10-N030-AO</b>	Mellanox® Compatible 30m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
<b>MFP7E10-N040-AO</b>	Mellanox® Compatible 40m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable
<b>MFP7E10-N050-AO</b>	Mellanox® Compatible 50m Angled MPO (Female) to Angled MPO (Female) 12-strand Aqua Polarity-B OM4 Fiber LSZH Patch Cable

## Specifications

Parameter	Specifications
Standard	OM4
Fiber Type	LOMM
Application	Patch
Cable Mode	Multiple
Color	Aqua
Connectors	MPO (Female) to MPO (Female)
Core/Cladding	50/125µm
Jacket Type	LSZH
Fiber Termination	APC – Angled Physical Contact
Strand Count	12
Termination Type	Crossover
Media	Fiber
Shielded	Not Shielded
Polarity	Type-B (Crossover)
Insertion Loss	≤0.5dB
Return Loss	≥30dB
<b>Cable Tolerance</b>	
Cable Length <1m	5cm
1m≤ Cable Length <15m	10cm
15m≤ Cable Length <30m	15cm
Cable Length ≥30m	Cable Length* 1%

## Mechanical Specifications



Blue1	Orange2	Green3	Brown4	Grey5	White6	Red7	Black8	Yellow9	Violet10	Pink11	Aqua12
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Aqua1	Pink2	Violet3	Yellow4	Black5	Red6	White7	Grey8	Brown9	Green10	Orange11	Blue12
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Item	Quantity	Specifications
1	A/R	OD: 3.0mm, Multi-Mode 50/125 OM4, 12 Fibers Micro Cable, LSZH, Color: Aqua
2	2	MPO/APC Female 3.0mm, 12 Fiber Connectors, Green Housing, Black Boot

## About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is engrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.



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