

MFP7E40-N0xx-AO

Up to 15m Mellanox® Compatible Angled MPO (Female) to 2x 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 2x angled MPO (female) 12-strand yellow OS2 LSZH patch crossover polarity-B 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.

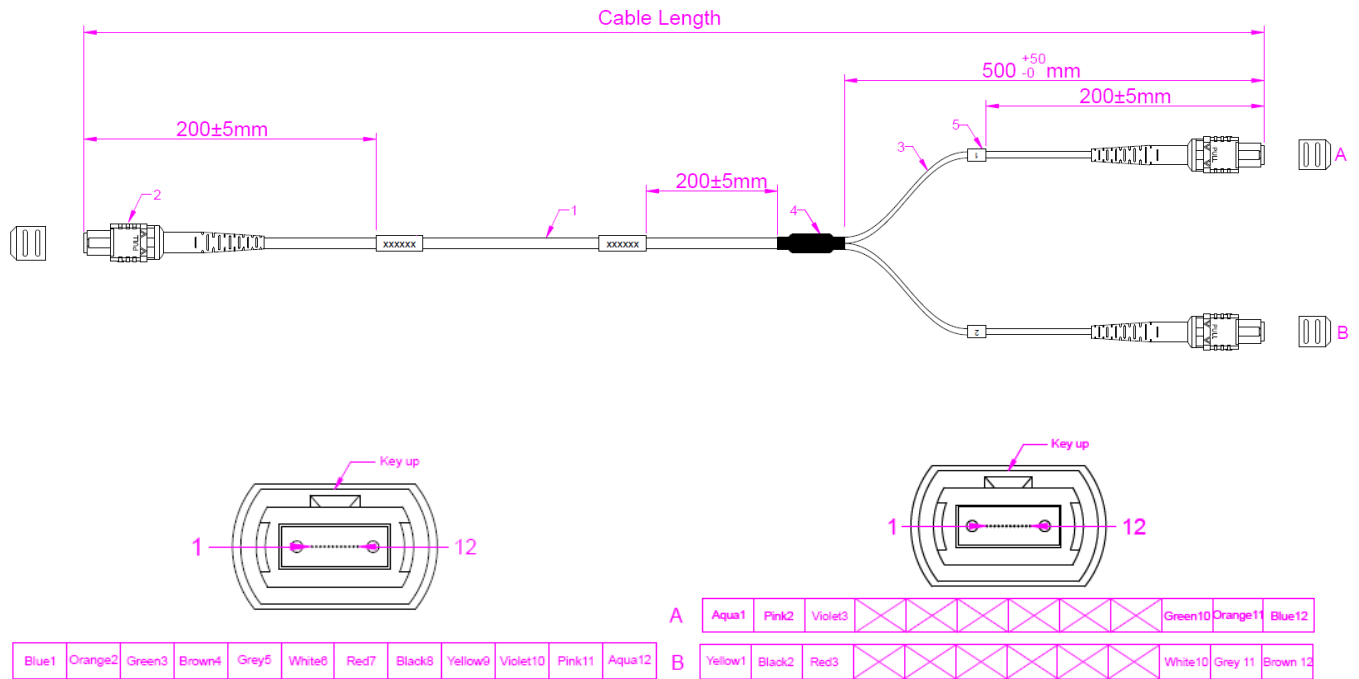
Order Information

| Part Numbers | Descriptions |
|-----------------|---|
| MFP7E40-N003-AO | Mellanox® Compatible 3m Angled MPO (Female) to 2x Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable |
| MFP7E40-N005-AO | Mellanox® Compatible 5m Angled MPO (Female) to 2x Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable |
| MFP7E40-N007-AO | Mellanox® Compatible 7m Angled MPO (Female) to 2x Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable |
| MFP7E40-N010-AO | Mellanox® Compatible 10m Angled MPO (Female) to 2x Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable |
| MFP7E40-N015-AO | Mellanox® Compatible 15m Angled MPO (Female) to 2x Angled MPO (Female) 12-Strand Yellow Polarity-B OS2 Fiber LSZH Patch Cable |

Specifications

| Parameter | Specifications |
|------------------------------|--------------------------------|
| Standard | OS2 |
| Fiber Type | SMF |
| Application | Patch |
| Cable Mode | Multiple |
| Color | Yellow |
| Connectors | MPO (Female) to 2xMPO (Female) |
| Core/Cladding | 9/125 μ m |
| 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 | ≤ 0.50 dB |
| Return Loss | ≥ 30 dB |
| Cable Tolerance | |
| Cable Length <1m | 5cm |
| 1m \leq Cable Length <15m | 10cm |
| 15m \leq Cable Length <30m | 15cm |
| Cable Length ≥ 30 m | 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 | 3 | MPO/APC Female SM, 12 Fibers, 3.0mm Connector, Green Housing, Black Boot |
| 3 | A/R | OD: 3.0mm, Single-Mode OS2, 12 Fibers Micro Cable, LSZH, Color: Yellow |
| 4 | 1 | Fanout Kit |
| 5 | 2 | Channel Marker |

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 ingrained 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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