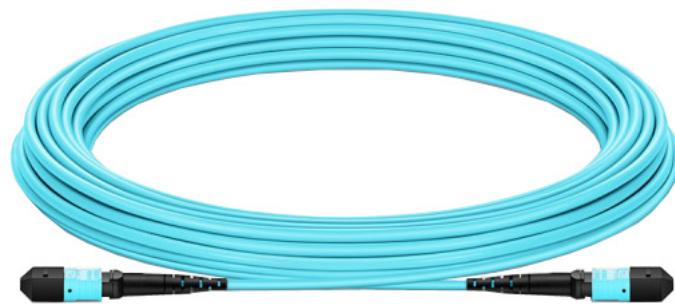


# 12-Strand MPO OM3 Multimode Fiber Optic Cable

[www.vpi.us/10-gigabit-multimode-cables/fiber-optic-mpo-om3-12f-b-2037](http://www.vpi.us/10-gigabit-multimode-cables/fiber-optic-mpo-om3-12f-b-2037)

- Ideal for high density fiber networks – run a single cable instead of twelve.
- Female MPO connector with push-pull release mechanism on both ends for easy mating and removal.
- Type B (cross) polarity.
- Features a 50- $\mu$ m core and 125- $\mu$ m cladding.
- Designed for use in 10-Gigabit Ethernet applications.
  - Lengths up to 70 meters support 100G and up to 100 meters support 40G Ethernet.
- UPC (Ultra Physical Contact) polish – provides a better surface finish with less back reflection.
- Immune to electrical interference.
- Precision-molded MT ferrules with metal guide pins and precise housing dimensions ensure fiber alignment when mating.
- LSZH (Low Smoke Zero Halogen) jacket emits very little smoke and does not produce toxic halogen-based gasses when exposed to extreme temperatures.
- Included connector covers keep out dust and contaminants.
- Available lengths: 200 and 275 meters.
- Contact a VPI product consultant for different lengths, fiber count, cable jacket, and polarity.



**FIBER-MPO12-3B-xxxM-LSZH-FF**

VPI's MPO fiber assembly consists of 12 laser-optimized 10G 50/125 $\mu$ m multimode fibers within one LSZH PVC jacket.

## Specifications

- Connectors: female MPO
  - Connector covers included.
- Polish type: UPC
- Fiber mode: Multimode 50/125-micron OM3
- Fiber count: 12
- Cable jacket: LSZH PVC
- Insertion loss:  $\leq 0.35$ dB
- Return loss:  $\geq 20$ dB
- Cable diameter: 3.0mm
- Bend radius: 7.5mm
- Wave length: 850/1300nm
- Polarity: Type B Cross
- Available lengths: 200 and 275 meters.
  - Lengths up to 70 meters at 850nm support 100G Ethernet.
  - Lengths up to 100 meters at 850nm support 40G Ethernet.
  - Lengths up to 300 meters at 850nm support 10G Ethernet.
- Contact a VPI product consultant for different lengths, fiber count, cable jacket, and polarity.

## Environmental

- Operating temperature: 14 to 158°F (-10 to 70°C)
- Storage temperature: -40 to 185°F (-40 to 85°C)

## Regulatory Approvals

- CE, RoHS