

Article Overview

Offshore-grade OM4 fiber optic cables typically range from \$2 to \$15 per meter depending on specifications, armoring, and quantity, with project-based pricing for long-distance installations.

Overview of Offshore OM4 Cables

For offshore and marine applications, OM4 multimode fiber optic cables are designed to withstand harsh environments. These cables often feature:

- o Armored construction with flexible steel braids for protection and easy installation on rigs, ships, and offshore platforms .
- o Tight-buffered design for fast termination without splicing .
- o Marine-grade sheaths compliant with IEC 60092-359, suitable for both indoor and outdoor use .
- o Flame retardancy to IEC 60332-3-22 Category A and third-party approvals from DNV-GL and ABS, ensuring safety in hazardous offshore environments .

Pricing Considerations

The cost of OM4 fiber optic cables offshore depends on several factors:

- o Cable type and armoring: Armored or marine-certified cables are more expensive than standard OM4 cables.
 - o Length and quantity: Bulk orders or long-distance runs reduce per-meter cost.
 - o Supplier and manufacturer: Prices vary by brand, e.g., Corning, Prysmian, HES Kablo, or NEK Sealine .
 - o Custom specifications: Multi-core configurations (4 to 96 cores) or special environmental resistance can increase cost .
- Retail and distributor pricing examples:
- o Mouser lists OM4 cables with unit prices varying by quantity, typically in the range of \$2-\$10 per meter for standard OM4 multimode cables .
 - o Fiber4u offers project-based pricing for long-distance or custom cables, with armored or marine-grade options likely at the higher end of the range, \$8-\$15 per meter depending on specifications and quantity .
 - o FS.com provides OM4 multimode cables for high-speed networks (40G/100G), which can serve as a reference for offshore-grade performance, though exact offshore pricing requires direct inquiry .

Recommendations

For accurate offshore pricing:

- o Contact suppliers directly for project-based quotes, especially for long-distance runs exceeding hundreds of meters.
- o Specify environmental requirements, such as armoring, flame retardancy, and marine certifications.



Offshore Price Optical Cable OM4

- o Consider bulk orders to reduce per-meter cost.
- o Compare multiple manufacturers to ensure compliance with offshore standards and cost efficiency. By considering these factors, you can obtain a reliable cost estimate for long-distance OM4 fiber optic cables suitable for offshore deployment.

Mouser offers inventory, pricing, & datasheets for OM4 Fibre Optic Cables.

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QFCI OM4 50/125 Fire Resistant Armoured Loose Tube Fibre Optic Cable Marine DNV-GL & ABS Approved AIAI OM4 50/125

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OM4 multi-mode fiber optic cables for advanced network solutions. 20 years of expertise and global delivery by Fiber4u.



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OM4 Fibre Optic Cables are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for OM4 Fibre Optic

OM4 50/125 multimode fiber optic cable is designed for high-speed, high-bandwidth data transmission,

AICI fibre optic cable is armoured with a flexible steel braid for easy installation in restricted areas on rig

Web: <https://morwarreconst.co.za>

