Offshore Price for Long-Distance Optical Cable OM4

Overview

OM4 Fibre Optic Cables – Mouser EuropeMouser offers inventory, pricing, & datasheets for OM4 Fibre Optic Cables. OM4 Fiber Optic Cables – MouserMouser offe.

Key Takeaways

Offshore OM4 fiber optic cables typically range higher in price than standard OM4 due to armored construction, marine-grade sheathing, and compliance with DNV-GL/ABS standards. Key Features of Offshore OM4 CablesFiber Type: OM4 multimode, 50/125 µm, supporting high-speed 40G/100G networks. Construction: Armored with steel braid or CST/SWA options for mechanical protection in harsh offshore environments.

Buffering: Tight-buffered designs allow fast termination without splicing, ideal for rig and ship installations. Sheath Material: Marine-grade compounds compliant with IEC 60092-359, flame retardant to IEC 60332-3-22 Category A. Certifications: Third-party approvals from DNV-GL and ABS ensure safety and reliability in hazardous offshore conditions.

Installation: Designed for both indoor and outdoor use, reducing the need to switch cable types between environments.

Pricing Considerations

Base Price Factors: OM4 cables are generally more expensive than OM1–OM3 due to higher bandwidth and future-proofing. Construction Impact: Armored, tight-buffered, or loose-tube configurations increase cost compared to standard bulk OM4.

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Application-

Specific Costs: Offshore-rated cables with marine-grade sheaths and certifications carry a premium over standard OM4 used in data centers. Purchase Format: Prices vary per metre for bulk cable, with custom cuts and pre-terminated assemblies affecting total cost.

Typical Price Range

While exact prices fluctuate based on supplier, fiber count, and cable construction, offshore OM4 armored cables can range from approximately $5 to $15 per metre, with pre-terminated assemblies or specialized marine-grade options potentially higher. Bulk OM4 without marine certification is generally at the lower end of this range.

Recommendations

Match Cable Type to Application: For offshore rigs or ships, prioritize armored, marine-grade OM4 with DNV-GL/ABS certification.

Consider Pre-

Terminated Assemblies: These can reduce installation time and labor costs, especially in confined offshore spaces. Check Supplier Options: Distributors like FSCables, FS, and Cable Intelligence offer a variety of OM4 configurations suitable for marine use. By understanding these factors, you can balance performance, safety, and cost when selecting OM4 fiber optic cables for offshore applications.

Article Content

AICI OM4 50/125 Armoured Tight Buffered Fibre Optic

AICI fibre optic cable is armoured with a flexible steel braid for easy installation in restricted areas on rig and ships. Designed specifically for use offshore, AICI

OM4 Multimode Fiber Optic Cables for 40G/100G

Get OM4 multimode fiber optic cables 50/125 with bend insensitive fiber design that support 40G/100G cabling. 100% end-face, 3D interferometer, IL&RL tested.

OM4 Multi Mode Fiber Optic Cables |

With OM4 Fiber Cable solutions, you can achieve top-level performance in data transmission and strengthen your projects. Contact us for project-based pricing and technical details.

OM4 50/125 Multimode Fiber Optic Cable by the Foot

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Featuring a gel-filled design, this OSP-rated OM4 fiber optic cable is built to resist water intrusion, making it a reliable choice for direct burial, underground

OM4 Multimode Fiber FAQ: High-Speed Connectivity Guide

While OM4 fiber is optimized for short-distance applications, its performance is excellent for distances commonly found in data centers. For longer-distance applications, such as over ten

RS PRO OM4 OM4 Multimode Fibre Optic Cable Low Smoke Zero

From the trusted RS PRO brand, this four-way fibre optic cable has a robust LSZH outer jacket suitable for more rugged applications. With four OM4 fibre cores providing a reliable cable for transmitting

Fiber Optic Cable Price Per Foot Guide 2026

This guide outlines typical cost ranges and the main drivers behind pricing to help formulate a budget and estimate expenses. Cost factors include material grade (single-mode vs

Fibre Optic Cable

Single-mode optical fibre is suitable for data transmission over long distances (>100km) and it tends to be used for cable TV, internet, and telephone signals. Single-mode fibres have a very thin core of c.8

A Practical Guide to Choosing Outdoor Fiber Optic Cables

Discover the best outdoor fiber optic cables for your network needs. Learn about different cable types, including loose tube, aerial, and armored

How to Choose the Best 8 Core Fiber Optic Cable for Your Network

Discover key factors when buying an 8 core fiber optic cable: types, specs, pricing, and what to look for to ensure reliable, future-proof connectivity.

Fiber Optic Installation Process 2026 Guide | ZION Communication

Fiber Optic Installation Process: Complete 2026 Guide A practical, engineer-friendly guide to planning, installing, testing, and maintaining modern fiber optic networks for FTTH, FTTR,

TMT 4 Core FTTH Fiber Optic Cable Single Mode Indoor/Outdoor

4 core ftth cable fiber optic Single mode outdoor g657a1/a2 TMT GLOBAL provides high-strength optical fiber cables for use in various industrial, indoor, and outdoor applications.

How Do Multimode Fiber Optic Cable Prices... | AIMIFIBER

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Multimode fiber optic cable prices 1 vary based on fiber type (OM1 2, OM3 3, OM4 4), construction (riser, plenum, armored 5), and application. Generally, OM1 is the most affordable, while

How to Choose the Best 6 Core Fiber Optic Cable: A

Learn what to look for in a 6 core fiber optic cable, including types, specs, pricing, and key buying considerations for reliable network performance.

Single Mode vs. Multimode Fiber Optic Cables

In a nutshell, single mode cables are better for long-distance cable runs and when signal integrity is of paramount importance. They are typically

10G SFP+ Module Selection Guide for Short-Range Networks

Solutions such as short-reach optical modules, DAC/AOC cables, and QSFP+ breakout assemblies provide flexible, reliable, and future-ready short-range 10G connectivity. Leveraging multi

Duct Fiber Optic Cables: What They Are, Applications,

1.2 Core Structure of Duct Fiber Cables Duct fiber cables are built to balance protection and flexibility (critical for navigating duct bends). A typical

How Much Does Fiber Optic Cable Cost? 2025 Factory

Searching for how much does fiber optic cable costs? Stop guessing. We break down 2025 prices for OS2, OM3, and Armored cables directly from the Wolontek

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