

Price of OS2 single-mode fiber optic cable 6 cores



AI Overview

The price of a 6-core OS2 single-mode fiber optic cable typically ranges from \$0.50 to \$2.50 per meter, depending on specifications, length, and supplier.

Overview A 6-core OS2 single-mode fiber optic cable is designed for long-distance data transmission, with a core diameter of approximately 8-10 microns and a cladding diameter of 125 microns, supporting low attenuation (~0.2 dB/km at 1550 nm) and high-bandwidth applications. These cables are commonly used in telecom networks, FTTH, CCTV, campus networks, and data centers. Bend-insensitive designs are available for environments with tight routing or frequent bends.

Factors Affecting Price

- Cable Length:** Longer cables increase total cost; prices are often quoted per meter.
- Jacket Type:** Outdoor-rated, armored, or UV-resistant jackets cost more than standard indoor jackets.
- Connectorization:** Pre-terminated cables with connectors (LC, SC, etc.) are more expensive than bare cables.
- Supplier and Brand:** Prices vary between distributors like Mouser, FS, Alibaba, and Farnell.
- Quantity:** Bulk orders usually reduce the per-meter cost.

How to Obtain Exact Pricing

- Request a Quote:** For B2B or OEM purchases, suppliers like Owire recommend submitting a Request for Quotation (RFQ) with details on core count, fiber type, jacket, length, connector plan, and testing requirements.
- Check Distributor Websites:** Mouser, FS, and Farnell provide inventory and datasheets, and some allow online pricing for standard lengths.
- Consider Customization:** If your project requires specific outdoor ratings, bend-insensitive fibers, or polarization-maintaining fibers, prices may be higher.

Typical Price Range

- Standard 6-core OS2 single-mode cable: \$0.50–\$1.50 per meter
- Outdoor or armored versions: \$1.50–\$2.50 per meter
- Pre-terminated or PMF versions: Can exceed \$3 per meter depending on specifications

For accurate budgeting, it is recommended to request a quote from a reputable supplier.

Article Content

Armored 6 Strand Indoor OS2 Fiber Distribution Cable,

Our Steel Armored Fiber Optic Cable features Rodent Resistant Spiral Steel Armor, 6 strands of OS2 9/125um Singlemode Corning® SMF-28® Ultra core, and a

OFNR Single Mode Fiber Cable, OS2 Corning, Indoor/Outdoor, Riser

Corning Tight Buffer Fiber Cable features single-mode OS2 riser construction with 2-72 fibers. Indoor/outdoor design with aramid yarn and PVC jacket protection.

Cost of Fiber Optic Cable: Pricing Guide (2026)

Single-Mode Fiber Single mode fiber uses a small core diameter of 8-10 microns to transmit light over extremely long distances. This optic cable

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OS2 Single Mode Fibre Optic Patch Leads, SMF Duplex

FS offers single mode duplex fibre patch leads & cables for 1G/10G/40G/100G/400G Ethernet fibre connections that can transport data up to 10km at 1310nm and

Used Fiber Optic Cable YUTIANHOME 200 Meters (656 Ft) 6 Core

The product is a high-quality YUTIANHOME 6 core industrial TPU LC to LC armored fiber optic cable, designed for use in optical network applications. With a length of 656 ft. (200 meters), this single

6 Core Single Mode Fiber Optic Cable Buying Guide

For 6 core single mode fiber optic cable, compare OS2 single-mode fiber, core count, jacket, outdoor rating, length, connector plan, test report before

Best Pre-Terminated Fiber Optic Cables for Fast FTTH Installations

Six-core or multi-fiber needs: Six-core industrial TPU cables provide multiple fibers in a single assembly. Cost-focused indoor/outdoor versatility: OM3 multimode armored cables provide

Best Premade Fiber Cable Assemblies for Harsh Environments

This six-core, single-mode OS2 assembly is built for demanding outdoor and indoor applications. The industrial TPU jacket provides resistance to water, UV exposure, and temperature

Fiber Optic Color Code: The Ultimate TIA-598-C Guide

Master the TIA-598-C fiber optic color code standard. Read our complete guide and use our free interactive calculator to easily identify 1-144 core cables.

5 Best LC Fiber Optic Patch Cord | Stop Replacing Broken Pigtails

The lc fiber optic patch cord that fits your link depends on whether you need single-mode reach, multimode density, or a multi-pack for a structured cabling refresh.

How Much Does Fiber Optic Cable Cost? 2025 Factory

On average, Single-mode (OS2) ranges from \$0.09 to \$1.52 per foot, while Multimode (OM3/OM4) can cost between \$1.50 and \$6.00 per foot. Factors like

ADD-MPOMPO-2M9SMF

ADD-MPOMPO-2M9SMF - Addon 2m Mpo/apc To Mpo/apc Yellow Os2 Ofnr (riser-rated) 12-strand Smf (single Mode) Fiber Patch Cable, 9/125 - 6.56 Ft Fiber Optic Network Cable For Network Device -

Fiber Optic Cables | Fiber Patch Cables | Patch Cords,

Fiber Patch Cables, Multimode & Singlemode Duplex Fiber Optic Cables, Secure Order Fiber Patch Cords, Preferred Mil. Edu. Gov. Pricing, Same Day Shipping

6 Core Single Mode Fiber Optic Cable

Discover 6 core single mode fiber optic cables with G657A1/A2 fiber, CE certified, for outdoor aerial use. Ideal for telecom & FTTH.

TiniFiber® 6 Core 900um Singlemode OS2 Armored

TiniFiber® is a revolutionary designed fiber optic cable that will provide the single best solution for all your fiber optic projects and usage. Micro Armor Fiber™ can

Amazon : 6 Strand Fiber Optic Cable

FLYPROFiber- 6 Core Outdoor Armored Fiber Optic Cable 75m/246ft, OS2 LC to LC Outdoor, Industrial TPU, 6 Strands Single Mode Fiber Cable, Direct Burial, 9/125um, OD-5mm

Fibre Optic Cable

Shop Fibre Optic Cable, Wide range of Network & Data Fibre Cable, Single Mode, Multi Mode, Choose Length, Fast & Free Delivery, Same Day Dispatch.

OS2 Single Mode Fiber Optic Cables, SMF Duplex Cables

Get OS2 single mode duplex fiber patch cables for 1G/10G/40G/100G/400G Ethernet fiber connections to transport data up to 10km at 1310nm and 40km at 1550nm.

Corning Freedm One, 6 Strand, Indoor/Outdoor,

Corning FREEDM One, 6 Strand, Indoor/Outdoor, Singlemode, Plenum, Fiber Optic Cable, (OS2) SKU 006E8P3113129 \$ 1.13 /ft

Complete Guide to Fiber Optic Cables for Data Centers

Everything you need to know about fiber optic cables for data center deployments. Covers OS2, OM3, OM4, OM5 cable types, LC/SC/MPO connectors, and

Fiber Optic Cable

Belden's extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Armored, burial, and ruggedized designs are suited to a

Contact Us

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