

CIF price for long-distance optical cable G 652



AI Overview

The CIF price for G.652D long-distance optical fiber cable is approximately \$0.25 per foot, translating to around \$820 per kilometer, with actual costs varying based on shipping, insurance, and regional factors.

Current Market Pricing The base price for G.652D single-mode optical fiber is roughly \$0.25 per foot, or about \$820 per kilometer for standard types, according to recent supplier listings. Bulk purchases exceeding 100,000 meters can reduce per-meter costs by over 50%, while premium suppliers with verified quality may charge higher rates. Prices have been rising in 2025–2026 due to increased demand from FTTH deployments, AI data centers, 5G transport, and long-haul networks, outpacing structural supply.

Factors Affecting CIF Pricing

- Shipping and Insurance:** CIF includes freight and insurance to the destination port. Long-distance shipments, especially intercontinental, can add 10–20% or more to the base cable cost depending on volume and logistics.
- Material Costs:** Copper and silica prices directly influence fiber cable costs. Fluctuations in raw material markets can impact final CIF pricing.
- Regional Tariffs and Import Duties:** Import tariffs, customs fees, and local taxes can significantly increase CIF costs in certain regions.
- Lead Times and Allocation:** Shorter quote validity and tighter allocations due to high demand may require premium pricing or expedited shipping.
- Cable Specifications:** Long-distance deployments may require low-attenuation G.652D fiber, additional armoring, or specialized jackets, which can increase costs.

Practical Considerations

- Long-Haul Deployment:** G.652 fiber is widely used for long-distance networks due to low attenuation and compatibility with 1550 nm transmission. Proper planning for repeater spacing and optical signal-to-noise ratio (OSNR) is critical.
- Bulk Procurement:** Ordering in large volumes from direct manufacturers often yields better...

Article Content

Optical Fiber Specifications: A Guide by EXA Infrastructure

This type of fiber is widely used in long-distance telecommunications networks, such as undersea cables and backbone networks, where high data transmission rates and low signal loss are required. It has

Selection of different ITU-T G.652 cabled -fibers in optical fiber networks

In an optical network the maximum transmission distance can be limited by various operational factors such as data rate per channel, span length, cable length, number of splices per span, number of

Single-mode optical cable

Our modeling and design expertise, together with our technology and production processes for premium and innovative optical fibres, is reflected in a complete

Single Mode Fiber Comparison: G.652 vs G.655

Gain insights into the differences between G.652 and G.655 fiber optic cables and make an informed decision for your network needs. Consider factors such as transmission rates, link

Why Fiber Bare cable prices surged by 650%?

Industry reports indicate that average contract prices for standard single-mode bare fiber (G.652.D) have risen by 40-60% since Q1 2025, with spot market prices doubling in some regions.

G.652D Optical Fiber: Specifications, Price Factors

For network planners, project managers, and procurement specialists, understanding the G.652D fiber specification, current G.652D fiber

G.652 Single-Mode Fiber: Characteristics and Applications

G.652 fiber is suitable for optical communication at wavelengths of 1310 nm and 1550 nm, making it the preferred choice for long-distance optical fiber communication systems.

G652D Optic Fibers

Find high-quality G652D optic fiber cables for various needs. Shop our selection of ADSS, outdoor, and indoor fiber optic cables with superior performance.

Single Mode Fiber G652D

This single-mode optical fiber (SMF, ITU-T. G.652.D) has significantly reduced optical attenuation at water absorption wavelength around 1383nm. It provides expanded transmission window from

Recommendation ITU-T G.652 (08/2024)

The ITU-T G.652 fibre was originally optimized for use in the 1310 nm wavelength region but can also be used in the 1550 nm region. This is the latest revision of a Recommendation that was

Optical Fiber Single-Mode Fiber G652.D (008)

Datasheet: GD055683v12 SPECIFICATION FOR LOW WATER PEAK SINGLEMODE OPTICAL FIBER ITU-T RECOMMENDATION G.652.D, and IEC 60793-2-50 Type B1.3, used in OS1/OS2 CABLES

A Comparison of Single Mode Fiber: G.652 vs. G.655

Single mode fiber optic cables are widely used for long-distance communication due to their ability to transmit data over greater distances with

G.652 vs G.655 Single Mode Fiber Comparison

Therefore, G.655 single mode fiber that supports longer distances with higher capacity can meet the requirements of Dense Wavelength Division Multiplexed (DWDM) transmission. Here is a

Optical Fiber Price Surge (H2 2025-2026):... | AIMIFIBER

G.657A2 / G.652D Optical Fiber Price Trends 2025-2026: What FTTH Buyers Must Know See why G.657A2 and G.652D optical fiber prices are

Standard Singlemode Fiber

For long-distance communication, our **G.652.D single mode fibers** stand out by providing consistent performance and cost efficiency. These fibers are specifically designed to handle high data

Single Mode Fiber Type: G652 vs G655 Fiber

With the increasing demand for greater capacity over long distance transmission, single mode fiber optic cable is designed with various versions. There are 6 different categories of SMFs:

Recommendation ITU-T G.652 (08/2024)

This document outlines the specifications for a single-mode optical fiber and cable designed for use around the 1310 nm zero-dispersion wavelength, suitable for both the 1310 nm and 1550 nm regions,

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Get a price quote for Standard Singlemode Fiber - ITU-T G.652.D directly from Weinert Fiber Optics | Ask questions and find out technical details and specifications.

Standard Singlemode Fiber

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Fiber Optic Cable Price in 2026: Market Updates and

Track the latest fiber optic cable price changes in 2026, including market updates from March to June, price trends for G.652D, G.657.A1 and

Colored Optical Fiber Cable – Single Mode (ITU-T

Description High-Performance Fiber Cable with Color-Coded Precision Designed for high-performance fiber optic networks, this Single Mode Colored Optical Fiber

Characteristics of G.652 Optical Fiber

G.652.D is similar to G.652.B, but the allowed wavelength range is extended from 1360 nm to 1530 nm. When revising the G.652 optical fiber standard, it is hoped that the characteristics of

Optical Fiber Price Surge (H2 2025–2026):... | AIMIFIBER

See why G.657A2 and G.652D optical fiber prices are rising in 2025–2026, how FTTH cable budgets are affected, and what procurement teams

Wire & Cable Prices

CRU provides comprehensive, accurate and up-to-date price assessments and research reports for bare optical fibre across various key regional markets, combined with insights into the

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://lwazipm.co.za>

Email: info@lwazipm.co.za

Phone: +27 82 415 6392

Address: 15 Oxford Street, Rosebank, Johannesburg, 2196, South Africa

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