

Domestic fiber optic cable production capacity



Overview

Prysmian shells out \$1.25B to double US fiber manufacturing footprint Cable and fiber supplier Prysmian is going big – really big – with its U.S. manufactur.

Key Takeaways

The United States produces approximately 12 million kilometers of fiber optic cable annually, with domestic capacity concentrated among a few major manufacturers. U.S. Production Overview

As of 2022, the United States produced 12 million kilometers of fiber optic cable, marking a 5% increase from the previous year, reflecting ongoing investment in broadband and data center infrastructure (Fact-Checked 2026) . Domestic production is primarily driven by large manufacturers such as Corning, OFS Optics, and CommScope, which operate multiple fiber drawing towers and cable assembly facilities. The U.S. has around 300 operational optical fiber draw towers, capable of producing roughly 10,000 kilometers per day collectively .

Global Context



While the U.S. contributes significantly to fiber production, it represents a smaller share compared to global leaders. For example, China produces 65% of the world's fiber optic cables, totaling 290 million kilometers in 2023, while companies like Corning have a global capacity of 100 million kilometers per year . Other major global producers include Prysmian Group (45 million km), Sumitomo Electric (30 million km), and Furukawa Electric (50 million km) . This highlights that U.S. production is substantial but still dwarfed by Asian manufacturing capacity.

Technological and Capacity Trends

Domestic manufacturers are increasingly focusing on high-density and ultra-high count fiber cables to meet the demands of hyperscale data centers and 5G networks. For instance, Furukawa Electric's Lightera brand has begun mass production of 13,824-count optical fiber cables, doubling its production capacity compared to FY2023, and enabling higher transmission volumes in limited space . These advancements reflect a broader trend toward miniaturization, higher fiber counts, and improved manufacturing efficiency in the U.S. industry.

Market and Infrastructure Implications

The U.S. fiber optic cable industry supports telecommunications, data centers, enterprise networks, and broadband expansion, with data centers consuming about 40% of domestic fiber production . Federal funding and broadband initiatives are further driving demand, emphasizing the need for domestic production to reduce reliance on imports and ensure timely deployment of high-speed networks . In summary, the U.S. maintains a robust domestic fiber optic cable production capacity of around 12 million kilometers annually, with ongoing investments in high-density fiber technologies and infrastructure to meet growing broadband and data center demands, while global production remains dominated by China and other Asian manufacturers.

Article Content

Prysmian shells out \$1.25B to double US fiber manufacturing footprint

Cable and fiber supplier Prysmian is going big – really big – with its U.S. manufacturing operation, spending \$1.25

in the Current Fiber Broadband Supply Chain UPDATE

costs for all facets of a fiber broadband build . Raw materials, finished components, transportation of goods, supply storage, and

2026 Top 8 Optical Fiber Cable Manufacturer in USA

This page maps the eight manufacturers with US production, what each one is built for, and what to verify before a

The U.S. Can't Make Enough Fiber Optic Cable—And

According to 2022 data from the United States International Trade Commission, U.S. manufacturing capacity met only

Fiber Optic Cable Industry Statistics | Verified 2026 Data

Our in-depth market data report on fiber optic cable industry. Explore verified statistics and the latest research.

Fiber-Optic Cable Manufacturing in the US Industry Analysis, 2025

As a result, revenue has been falling at an estimated CAGR of 3.7% to \$4.2 billion through the end of 2025, including a 4.2% in 2025

Prysmian invests more than \$1 billion to expand fiber optic cable ...

The facility produces the glass used inside fiber optic cables as well as the cables themselves. The expansion will

Fiber optic cable Market Size, Share & Trends, 2034

The global fiber optic cable market size was valued at USD 13.84 billion in 2025 and is anticipated to reach USD 33.29 billion by 2034

Fiber Optics Market Size & Share Report, 2026-2033

The fiber optics market is moderately concentrated, with established cable manufacturers, telecom infrastructure providers, and

Fiber-Optic Cable Manufacturing in the US Industry Analysis, 2025

Expert industry market research on the Fiber-Optic Cable Manufacturing in the US (2015-2030). Make better business decisions,

Prysmian Boosts Fiber and Optical Cable Capacity with \$1B

Prysmian, the leading provider of solutions for energy and digital connections, announces more than \$1 billion

U.S. Fiber Optic Shortage Threatens National Security and Broadband ...

Why Fiber Optics Outperform Copper Unlike old copper lines, ****fiber optic cables**** send data at light speed and with

Global Fiber Optic Cable Growth Analysis

The fiber optic market encompasses various types of cables, including single-mode and multimode fibers, each catering to distinct

Prysmian Boosts Fiber and Optical Cable Capacity with \$1B

Prysmian will invest more than \$1 billion in the Claremont Campus to more than double the company's U.S. fiber optic

10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions.

Optical fibre and cable: Top ten industry shifts in 2025

Discover how AI growth, supply and demand shifts, and more are influencing the optical fibre and cable industry with CRU Group.

Fiber Optics Market Size, Share & Forecast Report, 2024 - 2032

Fiber Optics Market was valued at USD 8.1 billion in 2023 and is anticipated to grow at a CAGR of over 5% between 2024 and 2032.

Molex Announces Long-Term Supply Agreement with Prysmian | Molex

This agreement will extend production of optical cables and fiber in plants across the U.S., including the glass preform

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