

Domestic demand for optical fiber and cable



AI Overview

Domestic demand for optical fiber and cable is rapidly increasing, driven by high-speed internet expansion, 5G deployment, and growing digital infrastructure initiatives.

Market Drivers The demand for optical fiber and cable is primarily fueled by the need for high-speed data transmission and broadband connectivity. Fiber optic cables offer higher bandwidth, faster speeds, and lower signal loss compared to traditional copper cables, making them essential for modern telecommunications, data centers, and enterprise networks. Key drivers include:

- Fiber-to-the-home (FTTH) and FTTx deployments, which are critical for providing seamless broadband services.
- 5G network backhaul, requiring robust fiber infrastructure to support high-speed mobile connectivity.
- Cloud computing and IoT adoption, which increase data traffic and necessitate reliable, high-capacity networks.
- Government initiatives for digital transformation, smart cities, and rural broadband expansion, which stimulate public and private investment in fiber networks.

Market Size and Growth Globally, the fiber optic cable market is projected to grow significantly, with estimates suggesting a market size of \$70 billion in 2025, expanding at a CAGR of around 18% through 2033. In specific regions, such as Asia-Pacific, domestic demand is particularly strong, accounting for nearly 46% of global market share, led by countries like China, India, and Japan. The domestic market in developed countries is also expanding steadily, driven by enterprise fiber demand, data centers, and 5G infrastructure.

Key Applications Domestic demand spans multiple sectors:

- Telecommunications and IT: Backbone networks, broadband, and enterprise connectivity.
- Data centers and cloud services: High-capacity fiber supports storage, processing, and cloud computing.
- Healthcare, broadcasting, and industrial automation: Fiber enables telehealth, high...

Article Content

U.S. Fiber and Cable Makers Commit to the BEAD

Individually, each company committed to: Ensuring sufficient availability of BABA-compliant optical fiber and cable to meet BEAD program

Amazon, Corning Strike Multibillion-Dollar Fiber Deal for

On June 8, 2026, Amazon announced a multiyear, multibillion-dollar agreement for Corning to supply optical fiber, cable, and connectivity for

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

Although demand for fiber-optic cable has been growing in recent years, domestic producers have been harmed by heightened import penetration. Foreign manufacturers with drastic price advantages, like

Optical fibre prices rise as preform availability tightens

Strategic implications for 2026 The interaction between sustained demand growth and limited upstream flexibility has reshaped the operating

Fiber Optics Market Size, Share & Trends | Industry

Most participating states prioritise fiber optic deployment as the primary delivery technology, creating a multi-year domestic demand pipeline for

Optical Fibre and Cable Market Outlook | CRU

The industry benchmark for optical fibre and cable market intelligence – five-year forecasts, real-time bare fibre prices and optical fibre cable demand data across 50+ countries and

fiber optics cable Competitive Strategies: Trends and

The fiber optics cable market is booming, driven by 5G, data centers, and high-speed internet demand. Explore market size, growth trends, key

Optical Fiber Industry Statistics 2026

Our in-depth market data report on Optical Fiber Industry. Explore verified statistics and the latest research.

Optical Fiber Demand Trends, Supply Risks & Outlook 2026

Explore optical fiber demand trends, supply chain risks, infrastructure investments, and strategic industry developments shaping the 2026 outlook.

CRU's data centre forecasting for optical fibre and cable

Overall, the outlook for optical cable demand in data centres remains robust, driven by the rapid expansion of AI applications and increasing data

Para-aramid Fiber For Optical Cable Market Forecast Shows

The Para-aramid Fiber For Optical Cable Market is segmented based on type, application, end-use industry, distribution channel, and region. Each segment plays an important role in defining

US and European Fiber Optic Cable Market Size, Share 2035

What are the primary factors influencing demand and growth in the United States and European fiber optic cable market? What are the key segments within the United States and

Germanium Tetrachloride for Optical Fiber Preforms Market 2026-2032

The material's high purity requirements make it essential for telecommunications, submarine cables, and other high-performance applications. The market growth is driven by

Fiber Optic Cables Market 2025

This market research report provides a comprehensive analysis of the Fiber Optic Cables Market, covering the forecast period 2025–2032. It offers detailed insights into market dynamics,

10 Best Fiber Optic Manufacturers for 2026

With the global fiber optic cable market valued at \$13.92 billion and growing at 10.46% annually, choosing from the best fiber optic manufacturers

Corning rallies after Amazon taps fiber-optics maker for

When hyperscalers scale networking, the whole optical stack benefits, not just the cable supplier. Corning's win is a leading indicator for broader optical

Fiber Optic Cable Market Size, Forecast Report [2026-2035]

More than 32 million broadband subscribers are served by leading providers, while federal broadband initiatives continue targeting millions of underserved locations, strengthening Fiber

US & European Fiber Optic Cable Market Forecasts 2031

The United States and European Fiber Optic Cable Market is segmented by end-user industry (telecommunication, power utilities,

Fiber Optic Cable Market Size, Forecasts Report 2026-2035

The nationwide fiber broadband expansion, 5G rollout, and building advanced digital ecosystems are making demand for fiber optic cable solutions rise fast. With money going into data centers, cloud

Corning and Meta Announce Multiyear, up to \$6 Billion Agreement to ...

Corning Incorporated (NYSE: GLW) and Meta Platforms, Inc. (Nasdaq: META) today announced a multiyear, up to \$6 billion agreement to accelerate the buildout of the most advanced

Fiber Optic Cables For Military Aerospace Market Opportunity

The demand for secure, reliable, and high-bandwidth data transmission is propelling innovation and investment in next-generation fiber optic solutions tailored for military platforms.

HFCL Subsidiary HTL Secures ₹1,366 Crore Optical Fiber Cable Order

HFCL's subsidiary HTL Limited has secured a domestic order worth about ₹1,366 crore to supply optical fiber cables, with execution scheduled by December 2026.

Amazon Signed Multibillion-Dollar Fiber Optics Supply

As investment in AI computing infrastructure continues to accelerate, demand for high-speed optical connectivity in data centers is growing by leaps and bounds. On June 8, Amazon and

Insights into the Indian Wires and Cables Industry: Trends and Growth

Data Centers, Fiber Optic and Communication Cables India had 770 million 5G subscribers projected by 2028. The BharatNet Phase III project, aimed at deploying 100 GB of

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