

How is the optical cable industry



Article Overview

The optical cable industry is experiencing strong growth, driven by AI data centers, 5G expansion, and high-speed broadband demand, with global market size projected to exceed USD 23 billion by 2031.

Market Size and Growth

The global fiber optic cable market was valued at approximately USD 14.6 billion in 2025 and is expected to grow at a CAGR of 9-9.8% through 2031, reaching between USD 22.7 billion and USD 23.8 billion depending on the source . Growth is fueled by the rapid deployment of 5G networks, expansion of hyperscale data centers, and increasing adoption of fiber-to-the-home (FTTH) and industrial applications .

Key Growth Drivers

- **AI and Hyperscale Data Centers:** AI-optimized data centers require 10 times more fiber than traditional centers due to high east-west traffic between GPU clusters, making them the dominant growth engine .
- **5G Network Expansion:** Backbone and backhaul upgrades for 5G are driving demand for high-capacity optical cables .
- **Broadband and Cloud Infrastructure:** Rising demand for high-speed broadband, cloud computing, and smart infrastructure applications supports sustained market growth .
- **Government Investments:** Digital transformation programs and rural broadband initiatives are expanding fiber deployment globally

Article Content

Active Optical Cable Market Size & Trends 2025-2035

Shifts in the Active Optical Cable Market from 2020 to 2024 and Future Trends 2025 to 2035. From 2020 to 2024, the

Fiber Optical Cable Market Report 2026

The fiber optic cable market consists of sales of quartz optical fiber cables, multi-component glass fiber cables, plastic optical fiber

Fiber Optics and Types

Fiber optics are generally used for high-speed internet, telecommunications, medical devices, and many more

Optical Fiber Cable Market 2025

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who

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 Optics Market Size Report 2024-2029 [234 Pages & 191 Tables]

Fiber optics players are focusing on leveraging new revenue sources such as FTTX, Data Center Interconnect (DCI), and subsea

2025 Fiber Optic Cable Market Outlook Report: Industry Size, Market ...

2025 Fiber Optic Cable Market Outlook Report: Industry Size, Market Shares Data, Insights, Growth Trends, Opportunities,

What Is Fiber Optic Cable?

A fiber optic cable is a long-distance network telecommunications cable made from strands of glass fibers that uses

Fiber Optics Market Size & Share Report, 2026-2033

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

Optical Fibre and Cable Market Outlook | CRU

Optical Fibre and Cable Market The industry benchmark for optical fibre and cable market intelligence – five-year forecasts, real-time

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.

Optical Fiber Industry Statistics 2026

The global optical fiber market reached \$9.6 billion in 2023 and is projected to climb to \$16.2 billion by 2030 at an

Fiber Optic Cable Market Size & Share Growth Analysis 2035

Fiber Optic Cable Market Growth The increasing prominence of 5G technology and the consequent need for robust

Fiber Optic Cable Market Size, Share | Analysis 2035

Fiber Optic Cable Market Size, Share and Trends Analysis Research Report Information By Type (Single-mode, Multi

Fiber Optics Market Size, Share | Industry Report, 2034

The global fiber optics market size is projected to grow from \$9.81 billion in 2026 to \$21.16 billion by 2034, at a CAGR

Optical Fiber Demand Trends, Supply Risks & Outlook 2026

Explore optical fiber demand trends, supply chain risks, infrastructure investments, and strategic industry

Global Fiber Optic Cable Growth Analysis

Fiber Optic Cable Market Size 2024-2028 The fiber optic cable market size is forecast to increase by USD 11.28 billion at a CAGR of

Fiber Optic Cables | Corning

With 2 billion kilometers of fiber optic cables installed around the globe, Corning continues to lead the industry in product quality and

Optical Networking And Communications Market Size & Share

Players such as Huawei push optical-electrical-optical convergence, while Ciena invests in zero-touch provisioning.

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

The Fiber Optic Cable Market Report highlights growing deployment of 5G backhaul, FTTH networks, and hyperscale

Fiber Optical Cable Market Size, Forecast Report to 2035

Fiber Optical Cable Market Overview • Fiber Optical Cable market size has reached to \$84.15 billion in 2025 • Expected to grow to

Fiber optic cable Market Size, Share & Trends, 2034

Based on cable type, the non-armored fiber optic cables segment dominated the market with 45.1% share in 2025,

Global Fiber Optic Cable Market Analysis | OPELINK

The fiber optic cable industry is witnessing a structural transformation from a cyclical commodity market to a

Fiber Optic Cable Market Size, Forecasts Report 2026-2035

The market growth for fiber optic cables mostly comes from the fast deployment of 5G networks, plus a bigger need for high-speed

What Is Fiber Optics? A Guide

Fiber optics technology uses light pulses to transmit data, resulting in quicker, more reliable

fiber optics cable Competitive Strategies: Trends and Forecasts 2026

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

About OCC

We're the second largest manufacturer of multimode fiber optic cable for the North American enterprise market. We are the premier

Optical Communication Systems and Networking Market

The optical signal is then received and converted back into its original form of information at the destination. The

Global Wire and Cable Industry Review 2025 and

Analysis of the global wire and cable market in 2025 with a 2026 outlook, focusing on export

Optical Transceiver Market Size, Share, Analysis 2030

The global Optical Transceiver Market size in terms of revenue was estimated to be worth \$13.6 billion in 2024 and is poised to reach

Optical Fiber Industry Statistics 2026

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

Fiber Optic Cable Market Size

Beyond telecommunications, a diverse array of sectors is driving demand in the fiber optic cable industry. Utilities,

Wires and Cables Market Size, Segmentation & Forecast 2031

Wire and Cable Market size was USD 245.44 billion in 2026 and is projected to reach USD 315.78 billion by 2031,

Fiber Optic Cables Market 2025

This market research report provides a comprehensive analysis of the Fiber Optic Cables Market, covering the forecast period

Global Optical Fiber Cable Market Size, Share & Industry Forecast

The Optical Fiber Cable Market encompasses the design, manufacturing, and deployment of fiber optic cables that

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