Sales of Wires and Fiber Optics

Article Overview

The global wire and cable market is projected to reach over USD 315 billion by 2031, while the fiber optic cable market is expected to grow to nearly USD 17 billion by 2035, driven by industrial automation, 5G deployment, and data center expansion.

Wire and Cable Market Overview

The wire and cable market reached approximately USD 245.44 billion in 2026 and is projected to grow at a CAGR of 5.17%, reaching USD 315.78 billion by 2031 . Growth is fueled by investments in offshore wind export links, fiber-to-the-home (FTTH) deployments, and the increasing adoption of battery-electric vehicle harnesses . Key players include Prysmian Group, Nexans SA, Sumitomo Electric Industries, LS Cable and System, and Southwire Company LLC . The market is segmented by:

o Cable type: Power, fiber-optic, and others
o Conductor material: Copper, aluminum, optical
o Installation: Overhead, underground, submarine
o End-users: Construction, power, telecom/data centers, automotive, and industrial manufacturing Regional trends show Asia-Pacific as the largest market and North America as the fastest-growing region . Innovations such as high-density patch cables and aluminum conductor substitution are enhancing efficiency and reducing costs .

Fiber Optic Cable Market Overview

The fiber optic cable market is valued at USD 9.82 billion in 2026 and is projected to reach USD 16.96 billion by 2035, growing at a CAGR of 6.2% . Another estimate places the market at USD 8.18 billion in 2024, expected to reach USD 11.62 billion by 2032 with a CAGR of 5.3% . Key growth drivers include:

o 5G network deployment requiring high-capacity, low-latency cables
o Rapid expansion of data centers globally, particularly in India and Southeast Asia
o Fiber-to-the-Home (FTTH) and Fiber-to-the-Building (FTTB) initiatives
o Healthcare and industrial applications requiring reliable, high-speed connectivity Deployment types include underground, underwater, and aerial, with underground cables being critical for mission-critical infrastructure and underwater cables supporting international connectivity . Leading companies in this sector include Prysmian Group, Corning Incorporated, YOFC, ZTT Group, and CommScope .

Market Trends and Insights

o Technological innovation: Development of high-bandwidth, low-latency fiber optic solutions for data

centers and 5G networks
o Sustainability: Increasing use of recycled copper and aluminum conductors to reduce costs and meet net-zero targets
o Regional manufacturing: Localized high-voltage cable production in the US and Europe is reshaping supply chains and reducing logistics costs
o Data-driven demand: Surge in global data traffic, cloud computing, and IoT applications is driving fiber optic cable adoption

Summary

The wires and fiber optics market is experiencing robust growth due to industrial automation, renewable energy projects, 5G deployment, and data center expansion. While traditional wires and power cables dominate in value, fiber optic cables are growing faster due to the increasing demand for high-speed, low-latency communication infrastructure. Companies investing in innovation, sustainability, and regional manufacturing are well-positioned to capture market share in the coming decade.

Optical Fiber Market Overview, 2032 The global Optical Fiber Market was valued at $7.4 billion in 2023, and is projected to reach

Are you ready to discover more about the fiber optics market? The report provides an in-depth analysis of the leading companies

The global Fiber Optics market size was estimated at USD 7.36 Billion in 2024 and is estimated to grow at a CAGR of 9.70% from

The global fiber optics market size was valued at USD 8.96 billion in 2025 and is projected to grow from USD 9.81

Fiber Optics Market Drivers The generative artificial intelligence infrastructure build-out is the most acute near-term

The global Fiber Optics Market size was estimated at USD 10.18 billion in 2025 and is anticipated to grow at a CAGR

The increasing deployment of fiber optic cables beneath the sea led to market growth by increasing the use of installed fiber,

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The global fiber optics market size was valued at USD 7.2 Billion in 2025, expected to reach USD 15.3 Billion at a CAGR of 8.48%

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

The fiber optic cable market size is forecast to increase by USD 11.28 billion at a CAGR of 13.64% between 2023 and 2028. The

The fiber optic cable market was estimated at USD 14.6 billion in 2025 and is expected to grow at a CAGR of 9.5% between 2026

The global fiber optics market, valued at USD 9.55 Billion in 2025, is projected to grow at 8.30% CAGR, reaching

Fiber Optic Cable Market Trends The Fiber Optic Cable Market is currently experiencing a dynamic evolution, driven

The increasing deployment of fiber-optic cables and data center cable infrastructure to support cloud computing, artificial intelligence,

Fiber optic cable demand is projected to advance 3.0% per year to $3.6 billion in 2025. Single-mode products will remain the bulk of

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