

2021 Optical Cable Industry



Overview

Active Optical Cable Market Size, Share, Trends & Growth 2028The active optical cable industry in U.S. is expected to grow significantly at a CAGR of 24.4%.

Key Takeaways

The global optical cable market in 2021 was valued between USD 10.35 billion and USD 16.5 billion, driven by rising internet penetration, FTTH adoption, and demand for high-speed broadband.Market Size and Growth

In 2021, the global fiber optic cables market was estimated at USD 10.35 billion, reflecting a strong growth from USD 8.65 billion in 2020, with a projected CAGR of 19.98% through 2026 (reaching USD 25.82 billion) according to ResearchAndMarkets.com . Other reports estimated the market at USD 8-9 billion in 2020, with projections to reach USD 16.5 billion by 2027, growing at a CAGR of 10.9% . The market growth was fueled by increasing demand for high-speed data transmission, broadband expansion, and the rollout of 5G networks.

Key Drivers

- **FTTH and Gigabit Networks:** The adoption of fiber-to-the-home (FTTH) and gigabit optical networks significantly boosted demand, particularly in urban and developing regions .
- **Telecommunications and IT Sector:** Fiber optic cables became essential for data centers, IT infrastructure, and network security, supporting the growing volume of internet traffic and multimedia applications .



- COVID-19 Impact: The pandemic accelerated the need for reliable broadband as remote work, online education, and digital services surged globally .

Technological Developments

- High-Capacity Cables: Companies like Prysmian Group launched advanced fiber cables, such as the 180µm fiber, to enhance FTTx and 5G network performance .
- Single-Mode and Multi-Mode Cables: Single-mode cables were projected to grow at 10.1% CAGR, while multi-mode cables were expected to grow at 11.7% CAGR, reflecting diverse applications in telecom and enterprise networks .

Regional Insights

- China: Forecasted to grow at a CAGR of 14.2%, becoming a major market for optical cables .
- United States: Estimated at USD 2.2 billion in 2020, with steady growth driven by broadband expansion .
- Europe and Other Markets: Germany, Japan, and Canada showed moderate growth, with CAGRs ranging from 7.5% to 9.4% .

Key Players

Major companies shaping the 2021 optical cable industry included Corning Inc., Prysmian Group, Sumitomo Electric Industries, Finisar Corp., and Yangtze Optical Fibre and Cable (YOFC) . These firms focused on new product launches, mergers and acquisitions, and global expansion to maintain competitiveness.

Industry Events

The 7th World Optical Fiber & Cable Virtual Conference 2021 was held online from November 16–18, 2021, bringing together global telecom operators, manufacturers, and suppliers. Discussions focused on gigabit network opportunities, industry growth trends, and post-pandemic market strategies . YOFC and other leading firms participated, highlighting the sector's transition to high-speed broadband and smart city infrastructure.

Conclusion

The 2021 optical cable industry experienced robust growth driven by digital transformation, broadband expansion, and technological innovation. The market was characterized by strong regional growth in Asia and North America, increasing adoption of FTTH and gigabit networks, and active participation of major global players in product development and strategic collaborations. The industry was poised for continued expansion in the following years, supported by rising data demand and 5G deployment.

Article Content

Active Optical Cable Market Size, Share, Trends & Growth 2028

The active optical cable industry in U.S. is expected to grow significantly at a CAGR of 24.4% from 2021 to 2028. By technology,

Fiber Optics Cable Market Size Report, 2021-2026

The report: "Fiber Optic Cable Industry Outlook - Forecast (2024-2030)", by IndustryARC covers an in-depth analysis of the following

Fiber Optic Cable Market Size, Forecasts Report 2026-2035

Key market players in the fiber optic cable industry include Corning Incorporated, Prysmian Group, Yangtze Optical Fibre and Cable

Fiber Optic Cable Market Analysis, Industry Size and Review 2021 ...

The Asia-Pacific region has dominated the fiber optic cable market primarily due to increase in penetration of optical fiber

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The global consumer active optical cable market size was valued at \$141.5 million in 2020, and is projected to reach \$958.5 million

Global Fiber Optic Cable Market 2021, By Key Players, Share,

The global fiber optic cable market is anticipated to grow at a significant CAGR during the forecast period (2021-2027). A fiber optic is

OFC 2021 Concludes as Global Leaders and Industry Powerhouses

The 2021 Optical Fiber Communication Conference and Exhibition (OFC) is the premier conference and exhibition for

Global Fiber Optic Cables Market Report 2021: Market to Reach \$16.5 ...

Amid the COVID-19 crisis, the global market for Fiber Optic Cables estimated at US\$ 8 Billion in the year 2020, is

Fiber Optic Cable Market Size, Forecasts Report 2026-2035

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 Worldwide Fiber Optic Cables Industry is Expected to Reach

The Global Fiber Optic Cables Market is projected to reach USD 21.73 billion by 2027 from USD 10.47 billion in 2021,

Active Optical Cable & Extender Market Size, Share, Industry Report

The global active optical cable & extender market size in terms of revenue was estimated to be worth \$3.3 billion in

Optical fibre and cable: Top ten industry shifts in 2025

The optical fibre and cable market is shifting in several directions at once. In 2025, AI-driven data centre investment rapidly emerged

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

FIBER OPTICS MARKET OVERVIEW The fiber optics industry is projected to reach USD 6.8 billion by 2029 from USD 3.18 billion in

Fiber Optics Industry worth \$6.8 billion by 2029

The rising amount of data generated is expected to increase the deployment of new fiber optic cables and subsystems. According to

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,

Fiber Optic Cable Market Analysis, Industry Size and Review 2021 ...

Fiber Optic Cable Market is expected to reach USD 20,832.9 million by 2027, registering a CAGR of 14.6% during the period, 2021

Fiber Optic Cable Market Size, Share, Industry Outlook 2026

The fiber optic cable market report provides granular level information about the market size, country market share, historic market

Fiber Optic Cable Market Size, Share, and Industry Trends Forecast

Fiber Optic Cable Market Size, Share, and Industry Trends Forecast 2026-2036 The Fiber Optic Cable Market, assessed at \$12.8

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