

Global Special Optical Fiber for Communication Market Growth 2025-2031

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Abstracts

The global Special Optical Fiber for Communication market size is predicted to grow from US\$ 560 million in 2025 to US\$ 932 million in 2031; it is expected to grow at a CAGR of 8.8% from 2025 to 2031.

Special Optical Fiber (SOF) is a type of fiber optic cable designed to meet specific requirements, beyond those of conventional optical fibers. SOFs are widely used in communication systems due to their unique properties such as higher bandwidth, better performance over long distances, and resistance to harsh environments.

The Global Mobile Economy Development Report 2023 released by GSMA Intelligence pointed out that by the end of 2022, the number of global mobile users would exceed 5.4 billion. The mobile ecosystem supports 16 million jobs directly and 12 million jobs indirectly.

According to our Communications Research Centre, in 2022, the global communication equipment was valued at US\$ 100 billion. The U.S. and China are powerhouses in the manufacture of communications equipment. According to data from the Ministry of Industry and Information Technology of China, the cumulative revenue of telecommunications services in 2022 was ¥1.58 trillion, an increase of 8% over the previous year. The total amount of telecommunications business calculated at the price of the previous year reached ¥1.75 trillion, a year-on-year increase of 21.3%. In the same year, the fixed Internet broadband access business revenue was ¥240.2 billion, an increase of 7.1% over the previous year, and its proportion in the telecommunications business revenue decreased from 15.3% in the previous year to 15.2%, driving the telecommunications business revenue to increase by 1.1 percentage points.

LP Information, Inc. (LPI) ' newest research report, the “Special Optical Fiber for Communication Industry Forecast” looks at past sales and reviews total world Special Optical Fiber for Communication sales in 2024, providing a comprehensive analysis by region and market sector of projected Special Optical Fiber for Communication sales for 2025 through 2031. With Special Optical Fiber for Communication sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Special Optical Fiber for Communication industry.

This Insight Report provides a comprehensive analysis of the global Special Optical Fiber for Communication landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Special Optical Fiber for Communication portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Special Optical Fiber for Communication market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Special Optical Fiber for Communication and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Special Optical Fiber for Communication.

This report presents a comprehensive overview, market shares, and growth opportunities of Special Optical Fiber for Communication market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single-mode Fibers

Multimode Fibers

Other

Segmentation by Application:

Long Distance Communication

Short Distance Communication

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Coherent

Coractive

Corning

Fujikura

Furukawa

Sumitomo Electric

OFS

AFL

iXblue Photonics

Fibercore

Molex

Leoni

YOFC

FiberHome

Yangtze Optical Electronic (YOEC)

Wuhan Ruixin

Hengtong

Key Questions Addressed in this Report

What is the 10-year outlook for the global Special Optical Fiber for Communication market?

What factors are driving Special Optical Fiber for Communication market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Special Optical Fiber for Communication market opportunities vary by end market size?

How does Special Optical Fiber for Communication break out by Type, by Application?

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