

Global Optical Fiber Patch Cord Market Size Study & Forecast, by Type (Multimode, Single-mode), by Application (Optical Data Network, Telecommunication, Military and Aerospace, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Optical Fiber Patch Cord Market is valued at approximately USD 1.9 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 5% over the forecast period 2023-2030. An optical fiber patch cord, also known as a fiber optic jumper or patch cable, is a cable that connects two optical fiber connectors. It is a flexible cable that is typically made of two or more strands of optical fiber, surrounded by a protective jacket. Optical fiber patch cords are used in a variety of applications, including optical data network, telecommunication, military and aerospace, and many others. They are used to connect optical fiber devices, such as switches, routers, and servers. The Optical Fiber Patch Cord Market is expected to grow in the coming years due to increased demand for high-speed internet connectivity and the expansion of data-intensive technologies such as cloud computing and big data. These demands require a robust and efficient network infrastructure, and optical fiber patch cords are crucial in establishing reliable and high-performance connectivity. Additionally, the growing focus on network security is driving the adoption of optical fiber patch cords, as they offer enhanced security features compared to traditional copper cables. However, the market is hindered due to the high installation cost of the fibers.

The global market is experiencing growth due to the increasing number of people using the Internet. The continuous development of telecommunication networks and infrastructure worldwide directly influences this. According to Statista, in 2020, nearly 749.07 million people were recorded as internet users and the number is estimated to grow and account to approximately 1,134.04 million people by 2025. Government

initiatives aimed at supporting the deployment of 5G networks across the world are also influencing the market. For example, The European Commission acknowledged the significance of 5G technology at an early stage and initiated a collaborative effort involving both public and private sectors to conduct research and development in this field. The regional government announced funding of over USD 861 million to support 5G deployment across Europe through the Horizon 2020 Program. In addition, the expansion of data centers to support cloud computing and big data technologies has increased the demand for optical fiber patch cords, which provide high bandwidth, low latency, and scalability. Innovations in optical fiber patch cords, such as bend-insensitive fibers and higher data transfer rates, offer opportunities for growth and development in the market. The emergence of new markets and infrastructure development also presents opportunities for growth in the Optical Fiber Patch Cord Market. However, the high cost of maintenance may hinder market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Optical Fiber Patch Cord Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the growth of telecommunication infrastructure, along with widespread fiber optic networks in place across the region. This creates a strong basis for the use and acceptance of optical fiber patch cords. The United States is a center for technological innovation, hosting numerous major companies and research institutions that drive progress in communication and networking technologies. This fosters a demand for cutting-edge solutions in the optical fiber patch cord market due to the country's technological prowess. There is also a large consumer base in the United States with a high demand for reliable and high-speed connectivity, driven by the increasing usage of bandwidth-intensive applications and digital content. Asia Pacific is expected to grow significantly over the forecast period. China is expected to become a significant market for the optical fiber industry. China's prominence in the market is attributed to several factors' rapid economic growth and infrastructure development, with extensive deployment of fiber optic networks. Also, the APAC region has a large and continuously expanding population with a growing need for high-speed data connectivity, fueled by increasing internet penetration and digital transformation across various industries, which further stipulates the market demand across the region.

Major market player included in this report are:

T&S Communication Co, Ltd.

KINSOM Technology Ltd.

Shenzhen Opticking Technology Co. Ltd.

Sumitomo Electric Industries, Ltd.

Black Box Corporation

LongXing Telecom Ltd.

Amphenol Corporation

Megladon Manufacturing Group Ltd.

Phoenix Contact

Wirenet Technology Co., Ltd.

Recent Developments in the Market:

In May 2022, Phoenix Contact introduced PCB connectors and patch cables for USB type A and type C, as well as HDMI type A. These connectors are available in USB 2.0, USB 3.2 Gen. 1/USB 3.0, and USB 3.2 Gen. 2/USB 3.1 versions. They can transmit data at rates up to 10Gbps and are suitable for use as a service interface or for permanent transmissions in protected applications.

Global Optical Fiber Patch Cord Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Multimode

Single-mode

By Application:

Optical Data Network

Telecommunication

Military and Aerospace

Other

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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