

Structured Cabling Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028F Segmented By Product Type (Fiber Cable, Copper Cable, Fiber Components), By Application (LAN, Data Center), By Wire Category (Category 5e, Category 6, Category 7, Category 6A), By End User Industry (Telecommunication, Government, Commercial, Others), By Region, Competition

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Abstracts

Structured Cabling market is expected to proliferate during the forecast period owing to the increasing demand for data centers and cloud computing and adoption of structured cabling solutions to decrease the operating costs. The global structured cabling market is expected to rise owing to factors such as increased investment in communication infrastructure and the increasing trend of data center convergence. Furthermore, rising demand for high-speed communication devices and systems drives overall market growth. However, the global structured cabling market is hampered by changing raw material prices. On the contrary, the structured cabling sector is predicted to benefit from the rising popularity of 5G technology and improved internet infrastructure throughout the world.

Rising demand for copper-based structured cabling industry for the development of smart cities and surging demand for data centres with the support of several countries have propelled the market growth. Demand for e-learning, binge-watching, remote work, work from home, and other similar activities has increased. As a result, the Structured Cabling industry is expanding at a fast pace. Structured cabling market growth has been boosted by the IT and telecommunications industries. The global structured cabling

market has been growing at a significant pace over the past few years. Structured cabling is an infrastructure that supports the transfer of data, voice, and video signals from one point to another. It is a system of cabling and associated hardware that provides a comprehensive telecommunications infrastructure.

Structured cabling is used in a variety of applications, including data centers, commercial buildings, hospitals, and schools. The market for structured cabling is driven by the increasing demand for high-speed data communication, the rise of cloud computing, and the growing adoption of advanced technologies. One of the main factors driving the growth of the global structured cabling market is the increasing demand for high-speed data communication. The proliferation of digital devices and the growing volume of data generated by them are driving the demand for high-speed connectivity. This has led to the development of new technologies that require high-speed data communication, such as 5G, the Internet of Things (IoT), and artificial intelligence (AI). Structured cabling is a critical component in providing the high-speed connectivity required by these technologies.

Another factor contributing to the growth of the global structured cabling market is the rise of cloud computing. Cloud computing has become an essential component of modern business operations, and it requires a robust infrastructure to support it. Structured cabling is an essential component of this infrastructure, providing the connectivity required to access and transfer data to and from the cloud.

The growing adoption of advanced technologies is also driving the demand for structured cabling. Technologies such as AI, machine learning, and robotics require high-speed connectivity to operate effectively. Structured cabling provides the infrastructure required to support these technologies, enabling businesses to take advantage of their full potential.

In addition to these factors, the increasing demand for energy-efficient buildings is also driving the growth of the global structured cabling market. Structured cabling is an energy-efficient solution that reduces the amount of energy required to power a building's telecommunications infrastructure. This is achieved through the use of high-quality cabling and hardware that reduces signal loss and interference, resulting in more efficient data transfer.

However, pandemics have caused some challenges in the global market. The Covid-19 events caused a significant interruption in the supply of cable goods, resulting in a drop in the international market. Both demand and supply fell short of expectations. However,

it is expected that the global market will return to normalcy throughout the forecast period.

Structured Cabling is becoming increasingly important as trends change and the demand for high-speed internet and smart connectivity grows. E-commerce, e-learning, remote work, logistics, and other optical services' universality can help the business develop by 2022. In the Structured Cabling study, the communications sector with greater demand for telecommunication services would become the primary development component.

Increased Demand for High-Speed Internet

The increased demand for high-speed internet has led to a surge in the adoption of advanced technologies such as 5G, the Internet of Things (IoT), and artificial intelligence (AI). These technologies require high-speed connectivity to function effectively, which has resulted in a growing demand for structured cabling. Structured cabling provides the infrastructure required to support high-speed data transfer, enabling businesses to take advantage of these technologies and operate more efficiently. One of the main drivers of the increased demand for high-speed internet is the proliferation of digital devices. Today, individuals and businesses rely heavily on digital devices such as smartphones, tablets, laptops, and desktops to access information, communicate, and perform various tasks. This has led to an explosion in the amount of data generated, which in turn has created a need for high-speed connectivity to transfer this data quickly and efficiently.

Another factor driving the demand for high-speed internet is the rise of cloud computing. Cloud computing has become an essential component of modern business operations, and it requires a robust infrastructure to support it. Structured cabling provides the connectivity required to access and transfer data to and from the cloud, making it a critical component in providing the high-speed connectivity required by cloud-based applications.

Furthermore, the increasing adoption of remote working and virtual collaboration has further accelerated the need for high-speed internet. With more people working from home, businesses need to ensure that their employees have access to high-speed internet to enable effective communication and collaboration. Structured cabling provides the infrastructure required to support remote working and virtual collaboration, making it an essential component in today's business environment.

In conclusion, the increased demand for high-speed internet has led to a surge in the adoption of advanced technologies such as 5G, IoT, and AI. Structured cabling provides the infrastructure required to support high-speed data transfer, making it a critical component in enabling businesses to take advantage of these technologies and operate more efficiently. As the demand for high-speed internet continues to rise, the global structured cabling market is expected to grow significantly in the coming years.

Growing Trend Toward Smart Cities

The growing trend toward smart cities has led to an increase in the demand for structured cabling solutions. These solutions are essential for the implementation of smart city projects, as they provide the necessary infrastructure for the integration of IoT and other digital technologies.

Adoption Of Cloud Computing

The increasing adoption of cloud computing has led to an increase in the demand for structured cabling solutions. These solutions provide the necessary infrastructure for cloud computing and are essential for the smooth functioning of cloud-based applications and services.

The Advancement of Technology in Structured Cabling Is Propelling Market Growth

The continuous advancements in technology have led to the development of innovative and advanced structured cabling solutions. These solutions are designed to meet the growing demand for high-speed internet connectivity, IoT and 5G technology, and the increasing trend toward smart cities. The introduction of high-performance cabling materials and standards, such as Cat 8 and multi-terabit ethernet, has further propelled the growth of the structured cabling market. The integration of these technologies and materials has resulted in improved performance, higher speed, and increased reliability, driving the demand for structured cabling market.

Market Segmentation

On the basis of Product Type, the market is segmented into Fiber Cable, Copper Cable and Fiber Components. On the basis of application, the market is further bifurcated into LAN and Data Center. On the basis of Wire Category, the market is further split into Category 5e and Category 6, Category 7 and Category 6a. On the basis of End User industry, the market is further split into telecommunication, government, commercial,

and others. On the basis of region, the market is divided among North America, Europe, Asia-Pacific, South America, and Middle East & Africa.

Company Profiles

ABB Ltd, Legrand SA, Anixter International Inc, Belden Inc, Hubnetix Corp, CommScope Holding Co. Inc, Cisco Systems Inc, Corning Inc, Datwyler Holding Inc, Furukawa Electric Co. Ltd., are among the major players that are driving the growth of the global Structured Cabling market.

Report Scope:

In this report, the global Structured Cabling market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Structured Cabling Market, By Product Type:

Fiber Cable

Copper Cable

Fiber Components

Structured Cabling Market, By Application:

LAN

Data Center

Structured Cabling Market, By Wire Category:

Category 5e

Category 6

Category 7

Category 6A

Structured Cabling Market, By End User Industry:

Telecommunication

Government

Commercial

Others

Structured Cabling Market, By Region:

Asia-Pacific

China

Japan

India

Australia

South Korea

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Spain

Italy

Middle East & Africa

Israel

Turkey

Saudi Arabia

UAE

South America

Brazil

Argentina

Colombia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the global Structured Cabling market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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