

India Structured Cabling Market by Product Type (Copper Cable, Fiber Cable, Fiber Components), By Application (LAN, Data Center), By Wire Category (Category 5e, Category 6, Category 7, Category 6A), By End User (Telecommunication, Government, Commercial, Others), By Region, Competition Forecast & Opportunities, 2028F

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Abstracts

India Structured Cabling Market is anticipated to grow at a high CAGR in the forecast period 2024-2028. The market for structured cabling in India is predicted to grow because of developments including increased investment in communication infrastructure and the trend towards data centre convergence. Additionally, escalating demand for high-speed communication tools and systems fuels market expansion, globally. The market for structured cabling in India, however, is constrained by fluctuating raw material prices. The growing acceptance of 5G technology and the expansion of internet infrastructure across the nation, on the other hand, are expected to be favourable developments for the structured cabling market. Structured cabling refers to a standardized cabling system that provides a universal platform for multiple applications, including data centres, telecommunication networks, and office buildings. It consists of a set of cabling and connectivity products that support various networking protocols and transmission speeds.

The Indian structured cabling market has witnessed significant growth in recent years, thanks to the increasing demand for high-speed and reliable networking solutions. The growth has been driven by several factors, including the increasing adoption of data centers, cloud computing services, and the Internet of Things (IoT). The development of smart cities and the soaring need for data centres, supported by the governments of

various nations, have driven the rise of the market for copper-based structured cabling. The popularity of online learning, binge-watching, remote work, working from home, and related activities has grown, because of which the structured cabling market grew quickly and persistently. The IT and telecommunications sectors have contributed to the growth of the structured cabling market. The construction and administration of standardised cable infrastructure in buildings or campuses that supports diverse hardware and software systems, is referred to as the 'structured cabling market' in India. This comprises racks, cabinets, and patch panels required to manage and arrange the cable, as well as copper and fibre wiring. A number of reasons, including the rising need for high-speed data connection, the uptake of cutting-edge technologies like cloud computing and IoT, and the expansion of the IT and telecom sectors, are factors driving the market in India.

However, there have been occasional market declines because of pandemics. The COVID 19 incidents significantly disrupted the supply of cable products, which decreased the demand on the global market. Both supply and demand fell short of projections. Nevertheless, it is anticipated that over the projection period, the Indian market would return to normal.

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The Indian structured cabling market has witnessed significant growth in recent years, thanks to the increasing demand for high-speed and reliable networking solutions. The growth has been driven by several factors, including the increasing adoption of data centers, cloud computing services, and the Internet of Things (IoT). The communications industry, with a higher demand for telecommunication services, would become the main development component in the market for structured cabling.

Increasing Need for Fast Internet and A Move Towards Smart Cities

With the growing reliance on digital technologies, there has been a significant increase in demand for high-speed internet connectivity. This has led to an increase in the demand for structured cabling solutions to meet the growing network requirements. Therefore, subscription services are driving the India Structured Cabling Market. The need for structured cabling solutions has increased because of the rising trend towards smart cities. With the rapid growth of technology and the increasing use of the internet,

there is a growing demand for reliable and high-speed internet connectivity in both residential and commercial settings. Structured cabling systems provide a comprehensive and efficient solution for ensuring the smooth transmission of data, voice, and video signals within a building or campus. Furthermore, the Indian government's push towards the development of smart cities is also driving the demand for structured cabling systems. Smart cities rely heavily on advanced technologies like the Internet of Things (IoT), artificial intelligence (AI), and big data analytics to manage and optimize their operations. Structured cabling systems form the backbone of these technologies, allowing for seamless communication between different devices and systems. As a result, the structured cabling market in India is expected to grow significantly in the coming years, with both residential and commercial sectors driving demand. The emergence of new technologies like 5G and the increasing adoption of cloud computing and virtualization are also expected to drive demand for structured cabling systems, as they require high-speed and reliable connectivity to function efficiently.

Adopting Cloud Computing

Adopting cloud computing is driving the structured cabling market in India. Cloud computing is a technology that allows businesses to store and access data and applications over the internet, rather than on local servers or personal devices. This technology has become increasingly popular in India, as businesses seek to take advantage of its many benefits, such as increased scalability, flexibility, and cost savings. However, in order to take advantage of cloud computing, businesses need a reliable and efficient network infrastructure that can handle the increased data traffic and ensure seamless connectivity between devices and servers. This is where structured cabling systems come into play. Structured cabling systems provide a comprehensive and standardized approach to cabling infrastructure, ensuring that all components are designed and installed to work together seamlessly. This results in improved network performance, increased reliability, and reduced downtime. As businesses in India adopt cloud computing, they are also realizing the importance of having a robust and reliable cabling infrastructure to support it. This has led to an increase in demand for structured cabling systems in India. In addition, the growing trend towards remote work and the need for secure and reliable connectivity for remote workers has also contributed to the increased demand for structured cabling systems in India. Overall, the adoption of cloud computing is a significant driver of the structured cabling market in India, as businesses seek to build the infrastructure necessary to take full advantage of this technology.

Structured Cablings' Technological Development is Boosting the Market's Growth

Technology's ongoing evolution has sparked the creation of ground-breaking and sophisticated structured cabling systems. These solutions were developed in response to the rising need for 5G, IoT, and high-speed internet access along with the growing trend towards smart cities. The expansion of structured cabling market has been further fuelled by the advent of high-performance cable materials and standards like Cat 8 and Multi-Terabit Ethernet. The market for structured cabling is seeing growth due to the integration of various technologies and materials, which has enhanced performance, increased speed, and increased dependability.

Market Segmentation

The India Structured Cabling market is segmented into Product Type, Application, Wire Category, End User and Region. Based on Product Type, the market is segmented into Copper Cable, Fiber Cable, and Fiber Components. Based on Application, the market is divided into LAN and Data Center. Based on Wire Category, the market is segmented into Category 5e, Category 6, Category 7 and Category 6A, Based on End User, the market is fragmented into Telecommunication, Government, Commercial, and Others. The market analysis also studies the regional segmentation to devise regional market segmentation, divided among East India, West India, North India, and South India

Market Players

Major market players of India Structured Cabling Market are 3C3 India Pvt. Ltd, TE Connectivity Ltd., Schneider Electric India, America Fujikura India Private Limited, LEGRAND INDIA PVT. LTD, Siemen India, Panduit Corp., ABB INDIA, Belkin India Pvt Ltd, Cisco India Ltd. To achieve good market growth, businesses that are active in the market employ organic tactics such as product launches, mergers, and partnerships.

Report Scope:

In this report, India 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

Copper Cable

Fiber 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

Telecommunication

Government

Commercial

Others

Structured Cabling Market, By Region:

East India

West India

North India

South India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in India Structured Cabling Market

Available Customizations:

India Structured Cabling Market with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

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