

Global Structured Cabling Market Report and Forecast 2024-2032

Market Report | 2024-04-08 | 174 pages | EMR Inc.

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Report description:

Global Structured Cabling Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the global structured cabling market size reached a value of USD 12.30 billion in 2023. Aided by the demand for efficient and reliable network infrastructure, the market is projected to further grow at a CAGR of 9.40% between 2024 and 2032 to reach a value of USD 26.00 billion by 2032.

Structured cabling systems serve as the backbone of modern information networks, offering a comprehensive telecommunication infrastructure for businesses and organisations to transmit data, voice, alarm, video, or signals through a network. These systems are critical in ensuring effective communication and operation in various sectors, including IT and telecommunications, residential and commercial buildings, government and education, and industrial applications.

One of the major factors driving the structured cabling market growth is the escalating demand for high-speed data transmission systems, the burgeoning adoption of cloud-based services, and the continuous expansion of data centres worldwide. As businesses and consumers alike demand faster and more reliable connectivity, the push towards advanced cabling solutions capable of supporting high bandwidth requirements has become increasingly evident.

Moreover, the advent of smart cities and the Internet of Things (IoT) has significantly contributed to the structured cabling market expansion. With more devices than ever connected to the internet, the need for a robust infrastructure to support these technologies is paramount. Structured cabling provides a scalable and flexible solution that can adapt to the dynamic requirements of smart city initiatives and IoT deployments. In addition to technological advancements, regulatory standards and initiatives promoting the adoption of structured cabling systems have also played a vital role in market development.

Governments and regulatory bodies worldwide are implementing policies that encourage the use of high-quality cabling systems, ensuring that infrastructure meets the demands of modern communication needs.

One of the most significant trends in the structured cabling market is the shift towards Category 6A and fibre optic cables, driven by their superior performance characteristics, including higher transmission speeds and greater bandwidth capacity. This shift is particularly notable in data centre applications, where the demand for fast and reliable data transmission is critical. Another trend is the growing emphasis on sustainable and green cabling solutions. With environmental concerns becoming a priority for many organizations, the market is seeing an increased demand for eco-friendly materials and energy-efficient designs in cabling.

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systems.

As per the structured cabling market analysis, the blending of wired and wireless networks into a unified infrastructure is becoming increasingly prevalent. This trend is driven by the growing need for flexible and scalable network solutions that can support a wide range of devices and applications. Structured cabling systems are being designed to accommodate both traditional wired connections and the expanding wireless networks, ensuring seamless connectivity and optimised performance.

As per the structured cabling market outlook, PoE technology allows network cables to carry electrical power to devices such as IP cameras, VoIP phones, and wireless access points. This trend is gaining momentum because it simplifies infrastructure by reducing the number of cables required, lowers installation costs, and offers the flexibility to install devices in locations without direct access to power outlets.

The North American market currently leads the global structured cabling market share, attributed to the presence of a robust technological infrastructure and the rapid adoption of new technologies in the region. However, Asia-Pacific is expected to exhibit the highest growth rate during the forecast period, driven by the expanding IT and telecom sectors, urbanisation, and the development of smart cities in countries like China and India.

Market Segmentation □

The market can be divided based on offering, cable, end use, and region.

Market Breakup by Offering

- Hardware
 - o□Cables
 - o□Communication Outlets
 - o□Patch Cords and Cable Assemblies
 - o□Racks and Cabinets
 - o□Others
- Services
 - o□Installation and Consulting
 - o□Maintenance and Support
 - o□Managed Services

-□Software

Market Breakup by Cable

- Category 5E
- Category 6
- Category 6A
- Others

Market Breakup by End Use

- Residential
- Commercial
- Industrial

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global structured cabling market. Some of the major players explored in the report by Expert Market Research are as follows:

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- Honeywell International Inc.
- Corning Incorporated
- Schneider Electric SE
- Panduit Corp.
- Belden Inc.
- CommScope, Inc.
- The Siemon Company
- Leviton Manufacturing Co., Inc.
- Hubnetix Corporation
- Genuine Cable Group (Paige Electric Co, LP)
- Others

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