

# **Global Flexible Electrical Conduit Market Size study, by Material Type (Metallic, Non-Metallic) by Type (Flexible Metallic Tubing (FMT), Liquid Tight Flexible Non-Metallic Conduit (LFNC), Flexible Metallic Conduit (FMC), Liquid Tight Flexible Metal Conduit (LFMC)), by Application (Rail Infrastructure, Manufacturing Facilities, Shipbuilding and Offshore Facilities, Process Plants, Energy, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Flexible Electrical Conduit Market is valued approximately at USD 1672.21 million in 2023 and is anticipated to grow with a healthy growth rate of more than 8.60% over the forecast period 2024-2032. Flexible electrical conduits serve as versatile tubing designed to provide a flexible and protective pathway for electrical wires and cables. These conduits find application in scenarios where traditional rigid conduits prove unsuitable or inconvenient. Typically crafted from materials like PVC (Polyvinyl Chloride), polyethylene, or metal, they are available in diverse sizes and configurations. The market for flexible electrical conduits has witnessed significant growth owing to their myriad benefits and wide-ranging applications. Notably, their flexibility and bendability enable effortless installation in tight or curved spaces where rigid conduits pose maneuverability challenges. Additionally, this flexibility serves as a protective barrier against vibrations, movements, and impacts, ensuring the safety of enclosed electrical wires.

The ongoing urbanization and infrastructure development projects across the globe require flexible electrical conduits for wiring installations in buildings, transportation

systems, utilities, and industrial facilities. The need for reliable and durable wiring solutions in these projects contributes to the market's expansion. As growing trend towards smart buildings and the integration of Internet of Things (IoT) devices in building systems create new opportunities for flexible electrical conduits, resulting in market growth. These conduits enable the installation of wiring for IoT sensors, communication cables, and control systems, supporting the connectivity and automation requirements of modern buildings and infrastructure projects. Furthermore, Global Flexible Electrical Conduit Market is driven by expansion of Renewable Energy infrastructure and rising development of data centers. However, availability of alternative solutions and limited awareness, on the other hand, will stifle market growth between 2022 and 2032.

The key regions considered for the global Flexible Electrical Conduit market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, Asia Pacific was the largest regional market in terms of revenue. The surge in industrialization and infrastructure expansion, notably in China and India, has spurred heightened demand for electrical systems and related infrastructure. This uptick in construction and manufacturing endeavors underscores the necessity for flexible electrical conduits to guarantee secure and dependable electrical installations. Furthermore, the escalating emphasis on renewable energy sources in nations such as China and India are amplifying the requisition for flexible conduits in solar and wind power ventures. Moreover, the burgeoning focus on smart city initiatives and urbanization endeavors throughout the region augurs well for the flexible electrical conduit market. These undertakings necessitate sophisticated electrical systems equipped with adaptable and effective conduit solutions, thereby presenting additional avenues for market growth. The market in North America, on the other hand, is expected to grow at the fastest rate over the forecast period.

Major market player included in this report are:

ABB Ltd  
Hubbell Incorporated  
Schneider Electric SE  
Legrand Group  
Southwire Company, LLC  
Atkore Inc  
Parker Hannifin Corp  
Saint-Gobain S.A  
NewAge Industries  
Flex Tubes Pvt Ltd

The detailed segments and sub-segment of the market are explained below:

By Material Type

Metallic

Non-Metallic

By Type

Flexible Metallic Tubing (FMT)

Liquid Tight Flexible Non-Metallic Conduit (LFNC)

Flexible Metallic Conduit (FMC)

Liquid Tight Flexible Metal Conduit (LFMC)

By Application

Rail Infrastructure

Manufacturing Facilities

Shipbuilding and Offshore Facilities

Process Plants

Energy

Others?

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  
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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