

Global Cable Duct Market Size study & Forecast, by Product (Flexible Cable Duct, Rigid Cable Duct), by Material (Concrete Cable Duct, Plastic Cable Duct, Metal Cable Duct), by End User (IT & Telecom, Construction, Energy & Utility, Manufacturing, Other) and Regional Analysis, 2023-2030

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Abstracts

Global Cable Duct Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a CAGR of more than 4.55% over the forecast period 2023-2030. A cable duct, also known as a cable conduit, is a protective enclosure or channel used for organizing and protecting electrical cables and wires. It is typically made of metal, plastic, or a combination of both materials. Cable ducts provide a secure pathway for cables, preventing them from being exposed to external elements and potential damage. They are commonly used in buildings, factories, data centers, and other locations where multiple cables need to be routed and protected. Moreover, growing industrial output and rising use of electronic devices are anticipated to be the growth drivers of this market.

According to the United Nations Industrial Development Organization (UNIDO) in 2023, the global manufacturing sector experienced a steady growth rate of 3 to 4 percent in 2022. This growth in manufacturing is significant for various industries, including the cable duct market. As manufacturing output expands, there is an increased demand for infrastructure and wiring solutions, such as cable ducts, to support the growing production processes. The stable growth in global manufacturing provides a positive outlook for the cable duct market, indicating potential opportunities for manufacturers and suppliers in the industry. According to India Brand Equity Foundation (IBEF) in 2022, the Indian electronics manufacturing industry is experiencing significant growth,

with projections indicating a market size of USD 520 billion by 2025. The demand for electronic products is expected to rise to USD 400 billion by 2025, showing a substantial increase from USD 33 billion in FY20. The electronics system market is anticipated to witness 2.3 times increase in demand by FY25, reaching USD 160 billion. Among the top products in the Electronic System Design and Manufacturing (ESDM) sector, IT/OA holds the highest CAGR at 54%, followed by industrial electronics at 38% and automotive electronics at 10%. These insights highlight the strong growth potential and emerging opportunities in the Indian electronics manufacturing industry. Moreover, increasing adaptation of renewable energy and rapidly growing urbanization anticipated as the opportunities in the market space. However, high installation & maintenance cost and limited flexibility & scalability may hamper the growth of the market during the forecasted year 2023-2030.

The key regions considered for the Global Cable Duct Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific region dominated the market. The growth witnessed in the Asia-Pacific region can be attributed to the extensive infrastructure development initiatives taking place, particularly in China and India. These countries are undergoing significant transformations as rural areas are being urbanized, contributing to over 50% of the anticipated growth in the construction industry by the end of 2020. North America is the fastest-growing region in the cable duct market due to its robust infrastructure development, expanding industrial sector, technological advancements, stringent regulations, and the presence of key industry players. The region's increasing investments in infrastructure, including new constructions and upgrades, drive the demand for efficient cable management systems such as cable ducts. The adoption of smart technologies and the need for organized cable networks further contribute to the market's growth.

Major market player included in this report are:

Atkore International Group Inc.

Legrand SA

Schneider Electric SE

ABB Ltd.

Aliaxis Group S.A.

Mitsubishi International Corporation

Eaton Corporation PLC

Robroy Industries, Inc.

Anamet Electrical Inc.

Barton Engineers Ltd.

Recent Developments in the Market:

In January 2023, Prysmian Group introduced an enhanced variant of its Sirocco HD micro duct cables, now available in an 864-fiber version. This advanced cable design manages to accommodate 864 fibers within an 11.0 mm diameter, resulting in an impressive fiber density of 9.1 fibers per square millimeter. Notably, the fiber cable can be conveniently installed into a 13-mm duct, as confirmed by the company.

In August 2020, Prince Pipes and Fittings Limited (PPFL), a leading manufacturer of integrated piping solutions and multi-polymer products in India, introduced Cable fit, a product specifically designed to cater to the increasing demand for cable ducting and wiring requirements in infrastructure projects.

Global Cable Duct 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 - Product, Material, End User, 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 Product:

Flexible Cable Duct

Rigid Cable Duct

By Material:

Concrete Cable Duct
Plastic Cable Duct
Metal Cable Duct

By End User:
IT and Telecommunications
Energy and Utility
Industrial Manufacturing
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
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Rest of Middle East & Africa

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