

Global Microduct Market Size Study & Forecast, by Type (Direct Install, Direct Burial, Flame Retardant), By Application (FTTX Networks, Other Access Networks, Backbone Networks, Data Center Application, Others), and Regional Analysis, 2023-2030

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Abstracts

Global Microduct Market is valued at approximately USD 4.50 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 10.8% over the forecast period 2023-2030. Microduct is a small-diameter conduit or duct that is used for the installation and protection of micro cables or microfiber optic cables. It is designed to offer a compact and efficient solution for deploying fiber optic networks in various applications. Microducts are employed as a protective covering or cover for objects like fiber optic cables and tubes for micro cables. This aid in the fusion and formation of a sizable and organized data network, providing the infrastructure for the deployment of further fiber networks. The adoption of optic cable infrastructure for FTTX networks and data center applications is constantly rising, which is substantially boosting the application of the microduct globally. The market growth is primarily driven by the factors such as increased installation of data centers, upgradation of telecommunication technology, surging demand for high-speed data transmission, and rising governments support to promote the development of high-speed broadband infrastructure.

In addition, the growing deployment of the fiber optic network is fueling the adoption of microducts to meet the escalating bandwidth requirements in various sectors, including telecommunications, IT and data centers, healthcare, transportation, and smart city applications. Microducts play a crucial role in the installation and protection of fiber optic cables in these networks. As per Statista, in the United States the fiber optics sector

was worth around USD 1,490 million, which is anticipated to account for USD 1,700 million by 2025. Furthermore, the rise in demand for high bandwidth is further supporting the market development during the estimated period. As per the IEEE Communication Society in 2022, the global private LTE & 5G wireless infrastructure market valued at around USD 1.7 billion in 2021 and is estimated to reach around USD 8.3 billion by 2026. Thus, these aforementioned factors are propelling the growth of the Microduct Market across the globe. Moreover, the technological advancements in microcables, as well as the increasing fiber network upgrades and expansion present various lucrative opportunities over the forecasting years. However, the volatility in raw material prices and lack of skilled workforce are hindering the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Microduct Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to the increasing adoption of fixed broadband services across all sectors, growing demand for high-speed internet services, and a rise in IT service groups in the emerging market of India. Whereas, North America is expected to grow at a significant CAGR over the forecasting years. The increasing demand for high-speed data transmission, along with the strong presence of prominent firms and global manufacturers in the region are significantly propelling the market demand across the region.

Major market players included in this report are:

Emtelle Holdings Ltd (Scotland)

Primo (Denmark)

Hexatronic Group AB (Sweden)

Prysmian Group (Italy)

Datwyler Holding Inc. (Switzerland)

Egeplast International GmbH (Germany)

Clearfield Inc (U.S.)

Spur A.S. (Czechia)

GM Plast A/S (Denmark)

Belden Inc (U.S.)

Recent Developments in the Market:

In July 2022, Nestor Cables Ltd., a Finnish company that deals in fibre optic cables, microducts, and cables, was acquired by Clearfield Inc. for about USD 23 million. Additionally, the aim of this acquisition is to assist the company in the expansion of its regional reach and strengthen the product offering.

In February 2022, Egeplast International GmbH inaugurated a brand-new production plant in Greven, Germany. The company's growth aimed to double the output of microduct and associated goods. The production space was 11,000 square metres and it is likely to be finished by 2023.

Global Microduct 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 - Type, Application, 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 Type:

Direct Install

Direct Burial

Flame Retardant

By Application:

FTTX Networks

Other Access Networks

Backbone Networks

Data Center Application

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

Rest of Middle East & Africa

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