

# Global G.654.E Optical Fiber Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GF1AE391AA72EN.html>

Date: January 2024

Pages: 119

Price: US\$ 3,480.00 (Single User License)

ID: GF1AE391AA72EN

## Abstracts

According to our (Global Info Research) latest study, the global G.654.E Optical Fiber market size was valued at USD 124.3 million in 2023 and is forecast to a readjusted size of USD 210 million by 2030 with a CAGR of 7.8% during review period.

G.654.E optical fiber is a new kind of cut-off wavelength shift single-mode optical fiber. It is compiled with the G.654.E standard issued by ITU-T in November 2016, which is the latest revision of 'ITU-T Recommendation G.654 - Characteristic of a Cut-Off Shifted Single-mode Optical Fiber and Cable'. The former revisions of ITU-T G.654 standard include G.654.A, G.654.B, G.654.C and G.654.D which describe fibers typically used in submarine applications. Like G.654.A, G.654.B, G.654.C and G.654.D single-mode fibers, G.654.E optical fiber also features ultra-low-loss and large-effective-area. However, it has great advantages in operating temperature, macro bending loss, etc. To be specific, G.654.A, G.654.B, G.654.C and G.654.D fiber cables are mainly applied in marine environments where the temperature is constant about -1? to 2?, while G.654.E fiber is designed to be used on land where temperature changes are larger from -65? to 85?.

Global key players of G.654.E Optical Fiber include YOFC, Corning, Furukawa (OFS Optics) and Hengtong Group, etc. Global top four manufacturers hold a share over 60%. Japan is the largest producer of G.654.E Optical Fiber, with a share about 50%, followed by Europe and China.

The Global Info Research report includes an overview of the development of the G.654.E Optical Fiber industry chain, the market status of Backbone Network (110 ?m2, 125-130 ?m2), Power Transmission Project (110 ?m2, 125-130 ?m2), and key

enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of G.654.E Optical Fiber.

Regionally, the report analyzes the G.654.E Optical Fiber markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global G.654.E Optical Fiber market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the G.654.E Optical Fiber market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the G.654.E Optical Fiber industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Km), revenue generated, and market share of different by Type (e.g., 110 ?m2, 125-130 ?m2).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the G.654.E Optical Fiber market.

**Regional Analysis:** The report involves examining the G.654.E Optical Fiber market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the G.654.E Optical Fiber market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to G.654.E Optical Fiber:

**Company Analysis:** Report covers individual G.654.E Optical Fiber manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards G.654.E Optical Fiber. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Backbone Network, Power Transmission Project).

**Technology Analysis:** Report covers specific technologies relevant to G.654.E Optical Fiber. It assesses the current state, advancements, and potential future developments in G.654.E Optical Fiber areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the G.654.E Optical Fiber market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

G.654.E Optical Fiber market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

110 ?m2

125-130 ?m2

Other

### Market segment by Application

Backbone Network

Power Transmission Project

Other

Major players covered

YOFC

Corning

Furukawa (OFS Optics)

Hengtong Group

FiberHome

Tongding Interconnection Information Co., Ltd.

Fujikura

Sumitomo Electric

FSO

ZTT

Optic Fiber Systems

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe G.654.E Optical Fiber product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of G.654.E Optical Fiber, with price, sales, revenue and global market share of G.654.E Optical Fiber from 2019 to 2024.

Chapter 3, the G.654.E Optical Fiber competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the G.654.E Optical Fiber breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and G.654.E Optical Fiber market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of G.654.E Optical Fiber.

Chapter 14 and 15, to describe G.654.E Optical Fiber sales channel, distributors, customers, research findings and conclusion.

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