

# Hybrid Fiber Optic Connectors Market Size, Share & Trends Analysis Report By Application (Telecom, Oil & Gas, Military & Aerospace), By Region (North America, Europe), And Segment Forecasts, 2023 - 2030

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## Abstracts

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### Hybrid Fiber Optic Connectors Market Growth & Trends

The global hybrid fiber optic connectors market size is expected to reach USD 1,400.3 million by 2030, according to a new report by Grand View Research, Inc. The market is anticipated to expand at a CAGR of 6.8% from 2023 to 2030. The growing demand for a safer, spark-free medium for implementation in hazardous areas such as aircraft fuel cells and other applications that contain volatile gases is driving the need for hybrid fiber optic connectors.

These connectors are primarily deployed in extreme environmental conditions and settings as they possess features such as resistance to dirt or dust, chemical, submersion, vibration, and humidity. The demand for high-performance fiber optic connectors is rising in order to assure adequate environmental, mechanical, and optical performance in various industries, such as military & aerospace, oil & gas, safety & security, civil engineering, railways, power & utility, and others.

Hybrid fiber optic connectors save installation time, network complexity, and cost, which leads to new possibilities for 4G/5G applications, wireless/cell tower small cell/DAS installations, fixed wireless access, offshore energy, extended distances, and more. For instance, in March 2022, TE Connectivity, a manufacturer of electronic components in

Europe, launched an innovative hybrid inline connector that allows ease of manufacturing for OEMs, simplifies supply chain complexity, reduces the number of connections, and reduces cost.

Military and aerospace systems operate in hostile environments and inclement weather, which are responsible for the increased demand for robust fiber optic interconnects and extended beam connectors with lower susceptibility. For instance, in March 2022, W. L. Gore & Associates, Inc., a manufacturer of waterproof, breathable Gore-Tex fabrics, released GORE Fiber Optic Cables with high impact resistance to aggressive chemicals, abrasion, scrapes, and undesirable fluids that aircraft typically experience during maintenance activities and complex installation.

Market players are upgrading connectors that provide rugged, dependable, and user-friendly connectivity solutions for various applications to increase productivity. For instance, in February 2019, Fischer Connectors Inc., a manufacturer of electronic connectors in Europe, expanded its Fischer FiberOptic Series with a revolutionary hybrid connector that combines two fiber channels and two electrical contacts in a single small package to offer high-quality fiber optic solutions.

The Asia Pacific region is expected to be the fastest-growing market, owing to the rapid improvements in manufacturing practices and infrastructure development activities which have contributed to the swift uptake of hybrid fiber optic technology in end-use industries such as automotive, manufacturing, and railway sector in the region.

### Hybrid Fiber Optic Connectors Market Report Highlights

The growing demand for improved optical performance and other attributes, such as mechanical and environmental constraints, operating conditions, maintenance plans, and reliability requirements, is expected to drive hybrid fiber optic connectors market demand in the coming years

The increasing adoption of contemporary manufacturing policies and infrastructure development gears in the Asia-Pacific region is expected to provide new growth opportunities over the forecast period

The military & aerospace segment dominated the market and accounted for the largest revenue share of over 33.4% in 2022. The increased demand for high-speed data transfer is expected to drive the use of fiber frameworks in the military and aerospace segment

North America dominated the market and accounted for a revenue share of over 34.3% in 2022, owing to the availability of high government funding, the presence of leading players in the region, and a strong technical adoption base

## Contents

### **CHAPTER 1 METHODOLOGY AND SCOPE**

- 1.1 Information Procurement and Research Scope
- 1.2 Information Analysis
- 1.3 Market Formulation & Data Visualization
- 1.4 Market Scope and Assumptions
  - 1.4.1 Secondary Sources
  - 1.4.2 Primary Sources

### **CHAPTER 2 EXECUTIVE SUMMARY**

- 2.1 Market Outlook
- 2.2 Global
  - 2.2.1 Global Hybrid Fiber Optic Connectors Market, 2018 - 2030
  - 2.2.2 Global Hybrid Fiber Optic Connectors Market, by Region, 2018 - 2030
  - 2.2.3 Global Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030
- 2.3 Segmental Trends

### **CHAPTER 3 HYBRID FIBER OPTIC CONNECTORS MARKET VARIABLES, TRENDS & SCOPE**

- 3.1 Market Segmentation & Scope
- 3.2 Hybrid Fiber Optic Connectors Market - Value Chain Analysis
- 3.3 Market Dynamics
  - 3.3.1 Market Drivers
  - 3.3.2 Market Restraints
  - 3.3.3 Market Opportunities
- 3.4 Industry Analysis - Porter's
  - 3.4.1 Supplier Power:
  - 3.4.2 Buyer Power:
  - 3.4.3 Substitution Threat:
  - 3.4.4 Threat From New Entrant:
  - 3.4.5 Competitive Rivalry
- 3.5 Key Opportunities - Prioritized
- 3.6 Hybrid Fiber Optic Connectors Market - PEST Analysis
  - 3.6.1 Political
  - 3.6.2 Economic

3.6.3 Social

3.6.4 Technological

## **CHAPTER 4 HYBRID FIBER OPTIC CONNECTORS MARKET: APPLICATION OUTLOOK**

4.1 Hybrid Fiber Optic Connectors Market Share by Application, 2022 & 2030

4.2 Telecom

4.2.1 Telecom Hybrid Fiber Optic Connectors Market, by Region, 2018 - 2030

4.3 Oil & Gas

4.3.1 Oil & Gas Hybrid Fiber Optic Connectors Market, by Region, 2018 - 2030

4.4 Medical

4.4.1 Medical Hybrid Fiber Optic Connectors Market, by Region, 2018 - 2030

4.5 Railway

4.5.1 Railway Hybrid Fiber Optic Connectors Market, by Region, 2018 - 2030

4.6 Others

4.6.1 Others Hybrid Fiber Optic Connectors Market, by Region, 2018 - 2030

## **CHAPTER 5 HYBRID FIBER OPTIC CONNECTORS MARKET: REGIONAL OUTLOOK**

5.1 North America

5.1.1 North America Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.1.2 U.S.

5.1.2.1 U.S. Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.1.3 Canada

5.1.3.1 Canada Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.1.4 Mexico

5.1.4.1 Mexico Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.2 Europe

5.2.1 Europe Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.2.2 Germany

5.2.2.1 Germany Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.2.3 U.K.

5.2.3.1 U.K. Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.2.4 France

5.2.4.1 France Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.3 Asia Pacific

5.3.1 Asia Pacific Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.3.2 China

5.3.2.1 China Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.3.3 Japan

5.3.3.1 Japan Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.3.4 India

5.3.4.1 India Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.4 South America

5.4.1 South America Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.4.2 Brazil

5.4.2.1 Brazil Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

5.5 MEA

5.5.1 MEA Hybrid Fiber Optic Connectors Market, by Application, 2018 - 2030

## **CHAPTER 6 COMPETITIVE LANDSCAPE**

6.1 Amphenol Corporation

6.1.1 Company Overview

6.1.2 Financial Performance

6.1.3 Product Benchmarking

6.1.4 Recent Developments

6.2 Bel Fuse Inc.

6.2.1 Company Overview

6.2.2 Financial Performance

6.2.3 Product Benchmarking

6.2.4 Recent Developments

6.3 Canare

6.3.1 Company Overview

6.3.2 Financial Performance

6.3.3 Product Benchmarking

6.3.4 Recent Developments

6.4 Diamond SA

6.4.1 Company Overview

6.4.2 Financial Performance

6.4.3 Product Benchmarking

6.4.4 Recent Developments

6.5 Fischer Connectors SA

6.5.1 Company Overview

- 6.5.2 Financial Performance
- 6.5.3 Product Benchmarking
- 6.5.4 Recent Developments
- 6.6 Glenair
  - 6.6.1 Company Overview
  - 6.6.2 Financial Performance
  - 6.6.3 Product Benchmarking
  - 6.6.4 Recent Developments
- 6.7 LEMO
  - 6.7.1 Company Overview
  - 6.7.2 Financial Performance
  - 6.7.3 Product Benchmarking
  - 6.7.4 Recent Developments
- 6.8 Molex, LLC
  - 6.8.1 Company Overview
  - 6.8.2 Financial Performance
  - 6.8.3 Product Benchmarking
  - 6.8.4 Recent Developments
- 6.9 OPTICAL CABLE CORPORATION (OCC)
  - 6.9.1 Company Overview
  - 6.9.2 Financial Performance
  - 6.9.3 Product Benchmarking
  - 6.9.4 Recent Developments
- 6.10 ODU GmbH & Co.KG
  - 6.10.1 Company Overview
  - 6.10.2 Financial Performance
  - 6.10.3 Product Benchmarking
  - 6.10.4 Recent Developments
- 6.11 QPC FIBER OPTIC, LLC
  - 6.11.1 Company Overview
  - 6.11.2 Financial Performance
  - 6.11.3 Product Benchmarking
  - 6.11.4 Recent Developments
- 6.12 Smiths Interconnect
  - 6.12.1 Company Overview
  - 6.12.2 Financial Performance
  - 6.12.3 Product Benchmarking
  - 6.12.4 Recent Developments
- 6.13 ODU GmbH & Co.KG

- 6.13.1 Company Overview
- 6.13.2 Financial Performance
- 6.13.3 Product Benchmarking
- 6.13.4 Recent Developments
- 6.14 Souriau
  - 6.14.1 Company Overview
  - 6.14.2 Financial Performance
  - 6.14.3 Product Benchmarking
  - 6.14.4 Recent Developments
- 6.15 St?ubli International AG
  - 6.15.1 Company Overview
  - 6.15.2 Financial Performance
  - 6.15.3 Product Benchmarking
  - 6.15.4 Recent Developments
- 6.16 Stran Technologies
  - 6.16.1 Company Overview
  - 6.16.2 Financial Performance
  - 6.16.3 Product Benchmarking
  - 6.16.4 Recent Developments
- 6.17 TE Connectivity
  - 6.17.1 Company Overview
  - 6.17.2 Financial Performance
  - 6.17.3 Product Benchmarking
  - 6.17.4 Recent Developments
- 6.18 Teledyne Defense Electronicsran Technologies
  - 6.18.1 Company Overview
  - 6.18.2 Financial Performance
  - 6.18.3 Product Benchmarking
  - 6.18.4 Recent Developments
- 6.19 TOSHIBA ELECTRONIC DEVICES & STORAGE CORPORATION
  - 6.19.1 Company Overview
  - 6.19.2 Financial Performance
  - 6.19.3 Product Benchmarking
  - 6.19.4 Recent Developments
- 6.20 X-BEAM TECH CO.,LTD
  - 6.20.1 Company Overview
  - 6.20.2 Financial Performance
  - 6.20.3 Product Benchmarking
  - 6.20.4 Recent Developments



## List Of Tables

### LIST OF TABLES

Table 1 Hybrid fiber optic connectors market - Industry snapshot & key buying criteria, 2018 - 2030

Table 2 Global hybrid fiber optic connectors market, 2018 - 2030 (USD Million)

Table 3 Global hybrid fiber optic connectors market, by region, 2018 - 2030 (USD Million)

Table 4 Global hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 5 Key market driver impact

Table 6 Key market restraint impact

Table 7 Global Expanded Beam Connector Market, 2018 - 2030 (USD Million)

Table 8 Global Expanded Beam Connector Market, by region, 2018 - 2030 (USD Million)

Table 9 Telecom hybrid fiber optic connectors market, by region, 2018 - 2030 (USD Million)

Table 10 Oil & gas hybrid fiber optic connectors market, by region, 2018 - 2030 (USD Million)

Table 11 Military & Aerospace hybrid fiber optic connectors market, by region, 2018 - 2030 (USD Million)

Table 12 Medical hybrid fiber optic connectors market, by region, 2018 - 2030 (USD Million)

Table 13 Railway hybrid fiber optic connectors market, by region, 2018 - 2030 (USD Million)

Table 14 Others hybrid fiber optic connectors market, by region, 2018 - 2030 (USD Million)

Table 15 North America hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 16 U.S. hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 17 Canada hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 18 Mexico hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 19 Europe hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 20 Germany hybrid fiber optic connectors market, by application, 2018 - 2030

(USD Million)

Table 21 U.K. hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 22 France hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 23 Asia Pacific hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 24 China hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 25 Japan hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 26 India hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 27 South America hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 28 Brazil hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

Table 29 MEA hybrid fiber optic connectors market, by application, 2018 - 2030 (USD Million)

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Research Process
- Fig. 2 Market Formulation
- Fig. 3 Market Segmentation and Scope
- Fig. 4 Hybrid Fiber Optic Connectors Market, 2018 - 2030
- Fig. 5 Key Opportunities Analysis
- Fig. 6 Hybrid Fiber Optic Connectors - Value Chain Analysis
- Fig. 7 Hybrid Fiber Optic Connectors Market Dynamics
- Fig. 8 Industry Analysis - Porter's Five Forces Analysis
- Fig. 9 Hybrid Fiber Optic Connectors Market - Pest Analysis
- Fig. 10 Hybrid Fiber Optic Connectors Market Share by Application, 2022 & 2030
- Fig. 11 Hybrid Fiber Optic Connectors Market Share by Region, 2022 & 2030
- Fig. 12 North America Marketplace: Key Takeaways
- Fig. 13 Europe Marketplace: Key Takeaways
- Fig. 14 Asia Pacific Marketplace: Key Takeaways
- Fig. 15 South America Marketplace: Key Takeaways
- Fig. 16 MEA Marketplace: Key Takeaways

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