

Conductive Fibers Market to Surge, Projected to Reach US\$ 4.9 Billion by 2031: FMI Study

The rising application of smart conductive yarns in a large number of industry verticals is estimated to fuel the United Kingdom conductive fibers market.

NEWARK, DELAWARE, UNITED STATES OF AMERICA, November 17, 2023 /EINPresswire.com/ -- In 2022, [conductive fibers market](#) are expected to reach US\$ 1.8 billion. The market is expected to grow at a robust 11.6% CAGR and reach US\$ 4.9 billion in value by 2031.



About 42,000 tonnes of conductive fibres were sold in volume in 2022, translating to a value of US\$ 1.8 billion. According to Future Market Insights' (FMI) most recent analysis, a number of reasons are expected to propel the worldwide conductive fibres market's rapid growth during the forecast period.

The growth in sales can be attributed to the increasing use of conductive fibers in electromagnetic shielding, in light of growing electromagnetic pollution with the near-ubiquitous use of smartphones, smart watches, and similar electronic devices.

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Copper over Silver - The Base Material Shift to Look Out for

Future Market Insights' study identifies that the conductive fibers market is anticipated to grow at a CAGR of approximately 11.6% through 2031. Manufacturers are shifting away from cotton and wool towards nylon and polyester materials, owing to the growing consumers' proclivity for synthetic fibers. The study finds that as conductive fibers market operates within the inner circle of the environmental norms, graphene has been emerging as cost-effective, compatible, and environmental-benign coating for the development of e-textiles.

Opportunities abound for conductive fibers manufacturers in Asia Pacific as identified by FMI's report with the establishment of manufacturing facilities of industries in developing countries such as India and China. Growing investments in the military & defense and aviation & aerospace sectors are likely to navigate the [conductive fibers industry](#) to lucrative lanes as demand for tech togs and wearable electronics has been on a surge to beat harsh

environmental conditions. However, intense focus on revamping the legacy military and defense infrastructure and a quest for technologically-forward equipment for army personnel has been channelizing high investments in the conductive fibers market in North America.

The study points towards the evolving preferences of end-use industries for comfortable plus cost-effective textiles, which has been instigating a shift of manufacturers towards the integration of copper from silver in electronic circuits. The report opines that silver being a rare material is cost prohibitive in nature, which makes copper a suitable material for the development of conductive fibers.

“The conductive fibers market is witnessing a notable surge, driven by the growing demand for smart textiles and wearable electronic devices. With advancements in technology, these conductive fibers find applications in various industries, including healthcare, sports, and consumer electronics, fostering innovation in electronic textiles. The market's expansion is propelled by the increasing integration of conductive fibers in clothing and fabrics to enable functionalities such as sensing, heating, and communication,” comments Nikhil Kaitwade, Associate Vice President at Future Market Insights (FMI).

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Conductive Fibers Market - Vendor Insights

These players are focusing on expanding their business by marking their presence in overseas territories. In addition, manufacturers are seen working towards the expansion of their product portfolios by introducing feature-rich conductive fibers. As the study finds, the global conductive fibers market operates under the degree of fragmentation with large number of players striving towards acquiring high market share.

Key Companies:

NV Bekaert SA
Seiren Co. Ltd.
Toray Industries
Kuraray Co Ltd.
Eeonyx Corporation
KGS Diamond
Syscom Advanced Materials, Inc.
Ascend Performance Materials LLC
Ronda Industrial Belts Technology Limited
W. ZIMMERMANN GMBH & CO. KG
PERLON Group
William Barnet & Son, LLC
Swicofil AG

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Conductive Fibers Market Segmentation:

By Reinforced Material:

- Copper
- Carbon
- Nickel
- Lead
- Silver

By Application:

- Non-Woven
- Woven
- Knitted

By Base Material:

- Cotton
- Nylon
- Polyester
- Wool
- Polyamide

By End Use:

- Military & Defense
- Aerospace & Aviation
- Sports & Fitness
- Consumer Electronics
- Protection & Safety
- Fashion & Entertainment
- Transportation
- Architecture
- Industrial Belts

By Region:

- North America

Latin America
Europe
Oceania
East Asia
South Asia
Middle East & Africa (MEA)

Author

Nikhil Kaitwade (Associate Vice President at Future Market Insights, Inc.) has over a decade of experience in market research and business consulting. He has successfully delivered 1500+ client assignments, predominantly in Automotive, Chemicals, Industrial Equipment, Oil & Gas, and Service industries.

His core competency circles around developing research methodology, creating a unique analysis framework, statistical data models for pricing analysis, competition mapping, and market feasibility analysis. His expertise also extends wide and beyond analysis, advising clients on identifying growth potential in established and niche market segments, investment/divestment decisions, and market entry decision-making.

Nikhil holds an MBA degree in Marketing and IT and a Graduate in Mechanical Engineering. Nikhil has authored several publications and quoted in journals like EMS Now, EPR Magazine, and EE Times.

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[High Performance Fibers Market Analysis](#): The global market is projected to attain a valuation of US\$ 14.01 billion in 2023, and is expected to reach US\$ 32.46 billion by 2033, expected to rise at a CAGR of 8.7% during the forecast period.

About Future Market Insights (FMI)

Future Market Insights, Inc. (ESOMAR certified, recipient of the Stevie Award, and a member of the Greater New York Chamber of Commerce) offers profound insights into the driving factors that are boosting demand in the market. FMI stands as the leading global provider of market intelligence, advisory services, consulting, and events for the Packaging, Food and Beverage, Consumer Technology, Healthcare, Industrial, and Chemicals markets. With a vast team of over 5000 analysts worldwide, FMI provides global, regional, and local expertise on diverse domains and industry trends across more than 110 countries.

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