

# Global Bismuth Based Superconducting Wire Market Research Report 2025(Status and Outlook)

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## Abstracts

Superconducting wires are unique materials that have zero electrical resistance below certain temperatures called a transition temperature. This temperature changes depending on the material and other physical attributes of the wire. High temperature conducting wires are coated conductors that offer very efficient electricity handling below a set temperature level. Two of the most common materials for superconducting wires are bismuth strontium calcium copper oxygen (BSCCO) wires and Rare earth barium copper oxide (ReBCO) wires. However, second-generation wires are more refined and efficient formulas.

The global Bismuth Based Superconducting Wire market size was estimated at USD 370.19 million in 2024 and is projected to grow at a compound annual growth rate (CAGR) of 7.30% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Bismuth Based Superconducting Wire market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Bismuth Based Superconducting Wire market. It offers detailed profiles of major players,

including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Bismuth Based Superconducting Wire market.

## **Global Bismuth Based Superconducting Wire Market: Market Segmentation Analysis**

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

### **Key Company**

AMSC  
Furukawa  
Bruker  
Fujikura  
Sumitomo Electric  
SuNam  
SHSC  
Innost  
THEVA  
STI  
Sam Dong

## **Market Segmentation (by Type)**

BSCCO  
ReBCO  
Others

## **Market Segmentation (by Application)**

Electrical Power Equipment  
Industrial Motors  
Medical  
Others

## **Geographic Segmentation**

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

## **Key Benefits of This Market Research:**

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Bismuth Based Superconducting Wire Market

Overview of the regional outlook of the Bismuth Based Superconducting Wire Market:

### **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

### **Chapter Outline**

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Bismuth Based Superconducting Wire Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help

readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Bismuth Based Superconducting Wire, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

### **Key Reasons to Buy this Report:**

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint

the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Bismuth Based Superconducting Wire
- 1.2 Key Market Segments
  - 1.2.1 Bismuth Based Superconducting Wire Segment by Type
  - 1.2.2 Bismuth Based Superconducting Wire Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 BISMUTH BASED SUPERCONDUCTING WIRE MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Bismuth Based Superconducting Wire Market Size (M USD) Estimates and Forecasts (2020-2033)
  - 2.1.2 Global Bismuth Based Superconducting Wire Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 BISMUTH BASED SUPERCONDUCTING WIRE MARKET COMPETITIVE LANDSCAPE**

- 3.1 Company Assessment Quadrant
- 3.2 Global Bismuth Based Superconducting Wire Product Life Cycle
- 3.3 Global Bismuth Based Superconducting Wire Sales by Manufacturers (2020-2025)
- 3.4 Global Bismuth Based Superconducting Wire Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Bismuth Based Superconducting Wire Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Bismuth Based Superconducting Wire Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Bismuth Based Superconducting Wire Market Competitive Situation and Trends

- 3.8.1 Bismuth Based Superconducting Wire Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest Bismuth Based Superconducting Wire Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

#### **4 BISMUTH BASED SUPERCONDUCTING WIRE INDUSTRY CHAIN ANALYSIS**

- 4.1 Bismuth Based Superconducting Wire Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

#### **5 THE DEVELOPMENT AND DYNAMICS OF BISMUTH BASED SUPERCONDUCTING WIRE MARKET**

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
  - 5.4.1 New Product Developments
  - 5.4.2 Mergers & Acquisitions
  - 5.4.3 Expansions
  - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
  - 5.5.1 Industry Policies Analysis
  - 5.5.2 Economic Environment Analysis
  - 5.5.3 Social Environment Analysis
  - 5.5.4 Technological Environment Analysis
- 5.6 Global Bismuth Based Superconducting Wire Market Porter's Five Forces Analysis
  - 5.6.1 Global Trade Frictions
  - 5.6.2 U.S. Tariff Policy ? April 2025
  - 5.6.3 Global Trade Frictions and Their Impacts to Bismuth Based Superconducting Wire Market
- 5.7 ESG Ratings of Leading Companies

#### **6 BISMUTH BASED SUPERCONDUCTING WIRE MARKET SEGMENTATION BY TYPE**

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Bismuth Based Superconducting Wire Sales Market Share by Type (2020-2025)

6.3 Global Bismuth Based Superconducting Wire Market Size Market Share by Type (2020-2025)

6.4 Global Bismuth Based Superconducting Wire Price by Type (2020-2025)

## **7 BISMUTH BASED SUPERCONDUCTING WIRE MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Bismuth Based Superconducting Wire Market Sales by Application (2020-2025)

7.3 Global Bismuth Based Superconducting Wire Market Size (M USD) by Application (2020-2025)

7.4 Global Bismuth Based Superconducting Wire Sales Growth Rate by Application (2020-2025)

## **8 BISMUTH BASED SUPERCONDUCTING WIRE MARKET SALES BY REGION**

8.1 Global Bismuth Based Superconducting Wire Sales by Region

8.1.1 Global Bismuth Based Superconducting Wire Sales by Region

8.1.2 Global Bismuth Based Superconducting Wire Sales Market Share by Region

8.2 Global Bismuth Based Superconducting Wire Market Size by Region

8.2.1 Global Bismuth Based Superconducting Wire Market Size by Region

8.2.2 Global Bismuth Based Superconducting Wire Market Size Market Share by Region

8.3 North America

8.3.1 North America Bismuth Based Superconducting Wire Sales by Country

8.3.2 North America Bismuth Based Superconducting Wire Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Bismuth Based Superconducting Wire Sales by Country

8.4.2 Europe Bismuth Based Superconducting Wire Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Bismuth Based Superconducting Wire Sales by Region

8.5.2 Asia Pacific Bismuth Based Superconducting Wire Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Bismuth Based Superconducting Wire Sales by Country

8.6.2 South America Bismuth Based Superconducting Wire Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Bismuth Based Superconducting Wire Sales by Region

8.7.2 Middle East and Africa Bismuth Based Superconducting Wire Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

## **9 BISMUTH BASED SUPERCONDUCTING WIRE MARKET PRODUCTION BY REGION**

9.1 Global Production of Bismuth Based Superconducting Wire by Region(2020-2025)

9.2 Global Bismuth Based Superconducting Wire Revenue Market Share by Region (2020-2025)

9.3 Global Bismuth Based Superconducting Wire Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Bismuth Based Superconducting Wire Production

9.4.1 North America Bismuth Based Superconducting Wire Production Growth Rate (2020-2025)

9.4.2 North America Bismuth Based Superconducting Wire Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Bismuth Based Superconducting Wire Production

9.5.1 Europe Bismuth Based Superconducting Wire Production Growth Rate (2020-2025)

9.5.2 Europe Bismuth Based Superconducting Wire Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Bismuth Based Superconducting Wire Production (2020-2025)

9.6.1 Japan Bismuth Based Superconducting Wire Production Growth Rate (2020-2025)

9.6.2 Japan Bismuth Based Superconducting Wire Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Bismuth Based Superconducting Wire Production (2020-2025)

9.7.1 China Bismuth Based Superconducting Wire Production Growth Rate (2020-2025)

9.7.2 China Bismuth Based Superconducting Wire Production, Revenue, Price and Gross Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

### 10.1 AMSC

10.1.1 AMSC Basic Information

10.1.2 AMSC Bismuth Based Superconducting Wire Product Overview

10.1.3 AMSC Bismuth Based Superconducting Wire Product Market Performance

10.1.4 AMSC Business Overview

10.1.5 AMSC SWOT Analysis

10.1.6 AMSC Recent Developments

### 10.2 Furukawa

10.2.1 Furukawa Basic Information

10.2.2 Furukawa Bismuth Based Superconducting Wire Product Overview

10.2.3 Furukawa Bismuth Based Superconducting Wire Product Market Performance

10.2.4 Furukawa Business Overview

10.2.5 Furukawa SWOT Analysis

10.2.6 Furukawa Recent Developments

### 10.3 Bruker

10.3.1 Bruker Basic Information

10.3.2 Bruker Bismuth Based Superconducting Wire Product Overview

10.3.3 Bruker Bismuth Based Superconducting Wire Product Market Performance

10.3.4 Bruker Business Overview

10.3.5 Bruker SWOT Analysis

10.3.6 Bruker Recent Developments

### 10.4 Fujikura

- 10.4.1 Fujikura Basic Information
- 10.4.2 Fujikura Bismuth Based Superconducting Wire Product Overview
- 10.4.3 Fujikura Bismuth Based Superconducting Wire Product Market Performance
- 10.4.4 Fujikura Business Overview
- 10.4.5 Fujikura Recent Developments
- 10.5 Sumitomo Electric
  - 10.5.1 Sumitomo Electric Basic Information
  - 10.5.2 Sumitomo Electric Bismuth Based Superconducting Wire Product Overview
  - 10.5.3 Sumitomo Electric Bismuth Based Superconducting Wire Product Market Performance
  - 10.5.4 Sumitomo Electric Business Overview
  - 10.5.5 Sumitomo Electric Recent Developments
- 10.6 SuNam
  - 10.6.1 SuNam Basic Information
  - 10.6.2 SuNam Bismuth Based Superconducting Wire Product Overview
  - 10.6.3 SuNam Bismuth Based Superconducting Wire Product Market Performance
  - 10.6.4 SuNam Business Overview
  - 10.6.5 SuNam Recent Developments
- 10.7 SHSC
  - 10.7.1 SHSC Basic Information
  - 10.7.2 SHSC Bismuth Based Superconducting Wire Product Overview
  - 10.7.3 SHSC Bismuth Based Superconducting Wire Product Market Performance
  - 10.7.4 SHSC Business Overview
  - 10.7.5 SHSC Recent Developments
- 10.8 Innost
  - 10.8.1 Innost Basic Information
  - 10.8.2 Innost Bismuth Based Superconducting Wire Product Overview
  - 10.8.3 Innost Bismuth Based Superconducting Wire Product Market Performance
  - 10.8.4 Innost Business Overview
  - 10.8.5 Innost Recent Developments
- 10.9 THEVA
  - 10.9.1 THEVA Basic Information
  - 10.9.2 THEVA Bismuth Based Superconducting Wire Product Overview
  - 10.9.3 THEVA Bismuth Based Superconducting Wire Product Market Performance
  - 10.9.4 THEVA Business Overview
  - 10.9.5 THEVA Recent Developments
- 10.10 STI
  - 10.10.1 STI Basic Information
  - 10.10.2 STI Bismuth Based Superconducting Wire Product Overview

- 10.10.3 STI Bismuth Based Superconducting Wire Product Market Performance
- 10.10.4 STI Business Overview
- 10.10.5 STI Recent Developments
- 10.11 Sam Dong
  - 10.11.1 Sam Dong Basic Information
  - 10.11.2 Sam Dong Bismuth Based Superconducting Wire Product Overview
  - 10.11.3 Sam Dong Bismuth Based Superconducting Wire Product Market Performance
  - 10.11.4 Sam Dong Business Overview
  - 10.11.5 Sam Dong Recent Developments

## **11 BISMUTH BASED SUPERCONDUCTING WIRE MARKET FORECAST BY REGION**

- 11.1 Global Bismuth Based Superconducting Wire Market Size Forecast
- 11.2 Global Bismuth Based Superconducting Wire Market Forecast by Region
  - 11.2.1 North America Market Size Forecast by Country
  - 11.2.2 Europe Bismuth Based Superconducting Wire Market Size Forecast by Country
  - 11.2.3 Asia Pacific Bismuth Based Superconducting Wire Market Size Forecast by Region
  - 11.2.4 South America Bismuth Based Superconducting Wire Market Size Forecast by Country
  - 11.2.5 Middle East and Africa Forecasted Sales of Bismuth Based Superconducting Wire by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)**

- 12.1 Global Bismuth Based Superconducting Wire Market Forecast by Type (2026-2033)
  - 12.1.1 Global Forecasted Sales of Bismuth Based Superconducting Wire by Type (2026-2033)
  - 12.1.2 Global Bismuth Based Superconducting Wire Market Size Forecast by Type (2026-2033)
  - 12.1.3 Global Forecasted Price of Bismuth Based Superconducting Wire by Type (2026-2033)
- 12.2 Global Bismuth Based Superconducting Wire Market Forecast by Application (2026-2033)
  - 12.2.1 Global Bismuth Based Superconducting Wire Sales (K MT) Forecast by Application

12.2.2 Global Bismuth Based Superconducting Wire Market Size (M USD) Forecast by Application (2026-2033)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Bismuth Based Superconducting Wire Market Size Comparison by Region (M USD)

Table 5. Global Bismuth Based Superconducting Wire Sales (K MT) by Manufacturers (2020-2025)

Table 6. Global Bismuth Based Superconducting Wire Sales Market Share by Manufacturers (2020-2025)

Table 7. Global Bismuth Based Superconducting Wire Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global Bismuth Based Superconducting Wire Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Bismuth Based Superconducting Wire as of 2024)

Table 10. Global Market Bismuth Based Superconducting Wire Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 11. Manufacturers? Manufacturing Sites, Areas Served

Table 12. Manufacturers? Product Type

Table 13. Global Bismuth Based Superconducting Wire Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Bismuth Based Superconducting Wire Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 25. Global Bismuth Based Superconducting Wire Sales by Type (K MT)

Table 26. Global Bismuth Based Superconducting Wire Market Size by Type (M USD)

- Table 27. Global Bismuth Based Superconducting Wire Sales (K MT) by Type (2020-2025)
- Table 28. Global Bismuth Based Superconducting Wire Sales Market Share by Type (2020-2025)
- Table 29. Global Bismuth Based Superconducting Wire Market Size (M USD) by Type (2020-2025)
- Table 30. Global Bismuth Based Superconducting Wire Market Size Share by Type (2020-2025)
- Table 31. Global Bismuth Based Superconducting Wire Price (USD/KG) by Type (2020-2025)
- Table 32. Global Bismuth Based Superconducting Wire Sales (K MT) by Application
- Table 33. Global Bismuth Based Superconducting Wire Market Size by Application
- Table 34. Global Bismuth Based Superconducting Wire Sales by Application (2020-2025) & (K MT)
- Table 35. Global Bismuth Based Superconducting Wire Sales Market Share by Application (2020-2025)
- Table 36. Global Bismuth Based Superconducting Wire Market Size by Application (2020-2025) & (M USD)
- Table 37. Global Bismuth Based Superconducting Wire Market Share by Application (2020-2025)
- Table 38. Global Bismuth Based Superconducting Wire Sales Growth Rate by Application (2020-2025)
- Table 39. Global Bismuth Based Superconducting Wire Sales by Region (2020-2025) & (K MT)
- Table 40. Global Bismuth Based Superconducting Wire Sales Market Share by Region (2020-2025)
- Table 41. Global Bismuth Based Superconducting Wire Market Size by Region (2020-2025) & (M USD)
- Table 42. Global Bismuth Based Superconducting Wire Market Size Market Share by Region (2020-2025)
- Table 43. North America Bismuth Based Superconducting Wire Sales by Country (2020-2025) & (K MT)
- Table 44. North America Bismuth Based Superconducting Wire Market Size by Country (2020-2025) & (M USD)
- Table 45. Europe Bismuth Based Superconducting Wire Sales by Country (2020-2025) & (K MT)
- Table 46. Europe Bismuth Based Superconducting Wire Market Size by Country (2020-2025) & (M USD)
- Table 47. Asia Pacific Bismuth Based Superconducting Wire Sales by Region

(2020-2025) & (K MT)

Table 48. Asia Pacific Bismuth Based Superconducting Wire Market Size by Region (2020-2025) & (M USD)

Table 49. South America Bismuth Based Superconducting Wire Sales by Country (2020-2025) & (K MT)

Table 50. South America Bismuth Based Superconducting Wire Market Size by Country (2020-2025) & (M USD)

Table 51. Middle East and Africa Bismuth Based Superconducting Wire Sales by Region (2020-2025) & (K MT)

Table 52. Middle East and Africa Bismuth Based Superconducting Wire Market Size by Region (2020-2025) & (M USD)

Table 53. Global Bismuth Based Superconducting Wire Production (K MT) by Region(2020-2025)

Table 54. Global Bismuth Based Superconducting Wire Revenue (US\$ Million) by Region (2020-2025)

Table 55. Global Bismuth Based Superconducting Wire Revenue Market Share by Region (2020-2025)

Table 56. Global Bismuth Based Superconducting Wire Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 57. North America Bismuth Based Superconducting Wire Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. Europe Bismuth Based Superconducting Wire Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Japan Bismuth Based Superconducting Wire Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. China Bismuth Based Superconducting Wire Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. AMSC Basic Information

Table 62. AMSC Bismuth Based Superconducting Wire Product Overview

Table 63. AMSC Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 64. AMSC Business Overview

Table 65. AMSC SWOT Analysis

Table 66. AMSC Recent Developments

Table 67. Furukawa Basic Information

Table 68. Furukawa Bismuth Based Superconducting Wire Product Overview

Table 69. Furukawa Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 70. Furukawa Business Overview

- Table 71. Furukawa SWOT Analysis
- Table 72. Furukawa Recent Developments
- Table 73. Bruker Basic Information
- Table 74. Bruker Bismuth Based Superconducting Wire Product Overview
- Table 75. Bruker Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 76. Bruker Business Overview
- Table 77. Bruker SWOT Analysis
- Table 78. Bruker Recent Developments
- Table 79. Fujikura Basic Information
- Table 80. Fujikura Bismuth Based Superconducting Wire Product Overview
- Table 81. Fujikura Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 82. Fujikura Business Overview
- Table 83. Fujikura Recent Developments
- Table 84. Sumitomo Electric Basic Information
- Table 85. Sumitomo Electric Bismuth Based Superconducting Wire Product Overview
- Table 86. Sumitomo Electric Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 87. Sumitomo Electric Business Overview
- Table 88. Sumitomo Electric Recent Developments
- Table 89. SuNam Basic Information
- Table 90. SuNam Bismuth Based Superconducting Wire Product Overview
- Table 91. SuNam Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 92. SuNam Business Overview
- Table 93. SuNam Recent Developments
- Table 94. SHSC Basic Information
- Table 95. SHSC Bismuth Based Superconducting Wire Product Overview
- Table 96. SHSC Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 97. SHSC Business Overview
- Table 98. SHSC Recent Developments
- Table 99. Innost Basic Information
- Table 100. Innost Bismuth Based Superconducting Wire Product Overview
- Table 101. Innost Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 102. Innost Business Overview
- Table 103. Innost Recent Developments

Table 104. THEVA Basic Information

Table 105. THEVA Bismuth Based Superconducting Wire Product Overview

Table 106. THEVA Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 107. THEVA Business Overview

Table 108. THEVA Recent Developments

Table 109. STI Basic Information

Table 110. STI Bismuth Based Superconducting Wire Product Overview

Table 111. STI Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 112. STI Business Overview

Table 113. STI Recent Developments

Table 114. Sam Dong Basic Information

Table 115. Sam Dong Bismuth Based Superconducting Wire Product Overview

Table 116. Sam Dong Bismuth Based Superconducting Wire Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 117. Sam Dong Business Overview

Table 118. Sam Dong Recent Developments

Table 119. Global Bismuth Based Superconducting Wire Sales Forecast by Region (2026-2033) & (K MT)

Table 120. Global Bismuth Based Superconducting Wire Market Size Forecast by Region (2026-2033) & (M USD)

Table 121. North America Bismuth Based Superconducting Wire Sales Forecast by Country (2026-2033) & (K MT)

Table 122. North America Bismuth Based Superconducting Wire Market Size Forecast by Country (2026-2033) & (M USD)

Table 123. Europe Bismuth Based Superconducting Wire Sales Forecast by Country (2026-2033) & (K MT)

Table 124. Europe Bismuth Based Superconducting Wire Market Size Forecast by Country (2026-2033) & (M USD)

Table 125. Asia Pacific Bismuth Based Superconducting Wire Sales Forecast by Region (2026-2033) & (K MT)

Table 126. Asia Pacific Bismuth Based Superconducting Wire Market Size Forecast by Region (2026-2033) & (M USD)

Table 127. South America Bismuth Based Superconducting Wire Sales Forecast by Country (2026-2033) & (K MT)

Table 128. South America Bismuth Based Superconducting Wire Market Size Forecast by Country (2026-2033) & (M USD)

Table 129. Middle East and Africa Bismuth Based Superconducting Wire Sales

Forecast by Country (2026-2033) & (Units)

Table 130. Middle East and Africa Bismuth Based Superconducting Wire Market Size

Forecast by Country (2026-2033) & (M USD)

Table 131. Global Bismuth Based Superconducting Wire Sales Forecast by Type  
(2026-2033) & (K MT)

Table 132. Global Bismuth Based Superconducting Wire Market Size Forecast by Type  
(2026-2033) & (M USD)

Table 133. Global Bismuth Based Superconducting Wire Price Forecast by Type  
(2026-2033) & (USD/KG)

Table 134. Global Bismuth Based Superconducting Wire Sales (K MT) Forecast by  
Application (2026-2033)

Table 135. Global Bismuth Based Superconducting Wire Market Size Forecast by  
Application (2026-2033) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Bismuth Based Superconducting Wire
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Bismuth Based Superconducting Wire Market Size (M USD), 2024-2033
- Figure 5. Global Bismuth Based Superconducting Wire Market Size (M USD) (2020-2033)
- Figure 6. Global Bismuth Based Superconducting Wire Sales (K MT) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Bismuth Based Superconducting Wire Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Bismuth Based Superconducting Wire Product Life Cycle
- Figure 13. Bismuth Based Superconducting Wire Sales Share by Manufacturers in 2024
- Figure 14. Global Bismuth Based Superconducting Wire Revenue Share by Manufacturers in 2024
- Figure 15. Bismuth Based Superconducting Wire Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Bismuth Based Superconducting Wire Average Price (USD/KG) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Bismuth Based Superconducting Wire Revenue in 2024
- Figure 18. Industry Chain Map of Bismuth Based Superconducting Wire
- Figure 19. Global Bismuth Based Superconducting Wire Market PEST Analysis
- Figure 20. Global Bismuth Based Superconducting Wire Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Bismuth Based Superconducting Wire Market Share by Type
- Figure 27. Sales Market Share of Bismuth Based Superconducting Wire by Type (2020-2025)

Figure 28. Sales Market Share of Bismuth Based Superconducting Wire by Type in 2024

Figure 29. Market Size Share of Bismuth Based Superconducting Wire by Type (2020-2025)

Figure 30. Market Size Share of Bismuth Based Superconducting Wire by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Bismuth Based Superconducting Wire Market Share by Application

Figure 33. Global Bismuth Based Superconducting Wire Sales Market Share by Application (2020-2025)

Figure 34. Global Bismuth Based Superconducting Wire Sales Market Share by Application in 2024

Figure 35. Global Bismuth Based Superconducting Wire Market Share by Application (2020-2025)

Figure 36. Global Bismuth Based Superconducting Wire Market Share by Application in 2024

Figure 37. Global Bismuth Based Superconducting Wire Sales Growth Rate by Application (2020-2025)

Figure 38. Global Bismuth Based Superconducting Wire Sales Market Share by Region (2020-2025)

Figure 39. Global Bismuth Based Superconducting Wire Market Size Market Share by Region (2020-2025)

Figure 40. North America Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Bismuth Based Superconducting Wire Sales Market Share by Country in 2024

Figure 43. North America Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Bismuth Based Superconducting Wire Market Size Market Share by Country in 2024

Figure 45. U.S. Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Bismuth Based Superconducting Wire Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Bismuth Based Superconducting Wire Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Bismuth Based Superconducting Wire Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Bismuth Based Superconducting Wire Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Bismuth Based Superconducting Wire Sales Market Share by Country in 2024

Figure 53. Europe Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Bismuth Based Superconducting Wire Market Size Market Share by Country in 2024

Figure 55. Germany Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Bismuth Based Superconducting Wire Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Bismuth Based Superconducting Wire Sales Market Share by Region in 2024

Figure 67. Asia Pacific Bismuth Based Superconducting Wire Market Size Market Share by Region in 2024

Figure 68. China Bismuth Based Superconducting Wire Sales and Growth Rate

(2020-2025) & (K MT)

Figure 69. China Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Bismuth Based Superconducting Wire Sales and Growth Rate (K MT)

Figure 79. South America Bismuth Based Superconducting Wire Sales Market Share by Country in 2024

Figure 80. South America Bismuth Based Superconducting Wire Market Size and Growth Rate (M USD)

Figure 81. South America Bismuth Based Superconducting Wire Market Size Market Share by Country in 2024

Figure 82. Brazil Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Bismuth Based Superconducting Wire Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Bismuth Based Superconducting Wire Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Bismuth Based Superconducting Wire Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Bismuth Based Superconducting Wire Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Bismuth Based Superconducting Wire Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Bismuth Based Superconducting Wire Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Bismuth Based Superconducting Wire Production Market Share by Region (2020-2025)

Figure 103. North America Bismuth Based Superconducting Wire Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Bismuth Based Superconducting Wire Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Bismuth Based Superconducting Wire Production (K MT) Growth Rate (2020-2025)

Figure 106. China Bismuth Based Superconducting Wire Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Bismuth Based Superconducting Wire Sales Forecast by Volume

(2020-2033) & (K MT)

Figure 108. Global Bismuth Based Superconducting Wire Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Bismuth Based Superconducting Wire Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Bismuth Based Superconducting Wire Market Share Forecast by Type (2026-2033)

Figure 111. Global Bismuth Based Superconducting Wire Sales Forecast by Application (2026-2033)

Figure 112. Global Bismuth Based Superconducting Wire Market Share Forecast by Application (2026-2033)

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