

Copper Rod Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Channel (Direct, Indirect), By End Use (Electrical & Electronics, Construction, Automotive & Transportation, Industrial Machinery & Equipment, Others), By Region and Competition, 2020-2030F

<https://marketpublishers.com/r/C91757BAD2EBEN.html>

Date: April 2025

Pages: 185

Price: US\$ 4,500.00 (Single User License)

ID: C91757BAD2EBEN

Abstracts

Global Copper Rod market was valued at USD 28,091.92 million in 2024 and is projected to reach USD 37,222.14 million by 2030, growing at a compound annual growth rate (CAGR) of 5.52% over the forecast period. The market continues to experience stable growth, driven by rising demand from key end-use industries, including electrical and electronics, automotive, telecommunications, and construction.

Copper rods—primarily manufactured through continuous casting and rolling processes—are highly valued for their superior electrical conductivity, corrosion resistance, and recyclability. These properties position them as essential components in a wide range of modern industrial applications.

A major factor propelling market growth is the increasing global demand for electricity and the corresponding need for efficient energy transmission infrastructure. Rapid urbanization and industrialization, particularly across emerging economies in the Asia-Pacific and Africa regions, are prompting substantial government investments in power grid expansion and modernization. As a result, copper rod consumption for applications such as wires, cables, and transformers is experiencing notable growth.

Key Market Drivers

Expansion of the Electronics Industry

The growth of the global electronics sector is a key catalyst for the copper rod market. In 2025, the global consumer electronics industry generated revenues of USD 977.7 billion. In markets like the United States, increasing demand for smart home technologies continues to drive consumption.

As demand for advanced electronics—such as smartphones, laptops, wearable devices, and electric vehicles—continues to rise, manufacturers rely heavily on copper rods due to their excellent conductivity, thermal efficiency, and mechanical durability. These attributes make copper rods indispensable in the production of electrical components, including wiring systems, connectors, semiconductors, and printed circuit boards (PCBs).

The proliferation of consumer electronics in both developed and emerging markets has significantly boosted global copper rod consumption. In particular, the Asia-Pacific region—led by China, South Korea, and Taiwan—has seen a surge in electronics manufacturing, further increasing demand for copper-based materials. China remains the dominant manufacturing hub for consumer electronics, driven by cost advantages, abundant raw material access, high production quality, and shorter lead times compared to countries like the United States. Cities such as Shenzhen have become central to global electronics production, attracting major players like Apple Inc.

Copper rods, produced through continuous casting and rolling, are foundational raw materials in this sector, with applications ranging from microelectronics to industrial automation systems.

Key Market Challenges

Raw Material Price Volatility

One of the primary challenges facing the copper rod market is the volatility in raw material prices—particularly copper cathodes, which serve as the core input for rod production. Price fluctuations directly affect manufacturing costs, pricing strategies, and overall market stability.

Global copper pricing is influenced by a wide array of factors, including geopolitical developments, currency exchange rates, changes in supply-demand dynamics, and macroeconomic trends. Disruptions in supply chains—stemming from labor strikes,

regulatory changes, or political unrest in major copper-producing countries like Chile, Peru, and the Democratic Republic of Congo—can lead to significant price spikes. On the other hand, economic slowdowns or reduced construction and manufacturing activity, especially in major consuming markets such as China, may lead to declining demand and downward price pressure.

Key Market Trends

Rising Demand from the Electric Vehicle (EV) Sector

The rapid global adoption of electric vehicles (EVs) is emerging as a transformative trend in the copper rod market. Several countries are leading this transition, with Norway at the forefront—where fully electric vehicles accounted for 80% of passenger vehicle sales in 2022—followed by Iceland (41%), Sweden (32%), the Netherlands (24%), and China (22%). China's inclusion is particularly impactful due to its role as the largest automotive market globally.

While EV market shares in the European Union and the United States stand at 12% and 6% respectively, both regions are witnessing accelerated growth in adoption rates. As the automotive sector shifts toward electrification, copper demand—particularly in the form of copper rods—is growing robustly.

Copper's exceptional electrical and thermal conductivity makes it a vital material in EV components, including power cables, motor windings, charging infrastructure, and battery connections. EVs require significantly more copper than traditional internal combustion engine (ICE) vehicles, with estimates indicating that a fully electric vehicle can contain up to four times more copper. This is largely due to the extensive use of copper-intensive parts such as traction motors, inverters, and onboard chargers.

Copper rods, which are further processed into wires and other conductive materials, are essential to the effective and efficient transmission of electric power across various EV systems.

Key Market Players

Nexans

Aurubis AG

Southwire Company

Elcowire

KME

Colada Continua Chilena S.A

Gulf Cables and Electrical Industries Group Co. Ltd

Union Copper Rod LLC

Dubai Cables Co. Ltd. (DUCAB)

Hindalco Industries Limited

Report Scope

In this report, the Global Copper Rod Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Copper Rod Market, By Sales Channel:

Direct

Indirect

Copper Rod Market, By End Use:

Electrical & Electronics

Construction

Automotive & Transportation

Industrial Machinery & Equipment

Others

Copper Rod Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Copper Rod Market.

Available Customizations:

Global Copper Rod Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. IMPACT OF COVID-19 ON GLOBAL COPPER ROD MARKET

5. GLOBAL COPPER ROD MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Sales Channel (Direct, Indirect)
 - 5.2.2. By End Use (Electrical & Electronics, Construction, Automotive & Transportation, Industrial Machinery & Equipment, Others)
 - 5.2.3. By Region

- 5.2.4. By Company (2024)
- 5.3. Market Map

6. NORTH AMERICA COPPER ROD MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Sales Channel
 - 6.2.2. By End Use
 - 6.2.3. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Copper Rod Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Sales Channel
 - 6.3.1.2.2. By End Use
 - 6.3.2. Mexico Copper Rod Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Sales Channel
 - 6.3.2.2.2. By End Use
 - 6.3.3. Canada Copper Rod Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Sales Channel
 - 6.3.3.2.2. By End Use

7. EUROPE COPPER ROD MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Sales Channel
 - 7.2.2. By End Use
 - 7.2.3. By Country

7.3. Europe: Country Analysis

7.3.1. France Copper Rod Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Sales Channel

7.3.1.2.2. By End Use

7.3.2. Germany Copper Rod Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Sales Channel

7.3.2.2.2. By End Use

7.3.3. United Kingdom Copper Rod Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Sales Channel

7.3.3.2.2. By End Use

7.3.4. Italy Copper Rod Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Sales Channel

7.3.4.2.2. By End Use

7.3.5. Spain Copper Rod Market Outlook

7.3.5.1. Market Size & Forecast

7.3.5.1.1. By Value

7.3.5.2. Market Share & Forecast

7.3.5.2.1. By Sales Channel

7.3.5.2.2. By End Use

8. ASIA PACIFIC COPPER ROD MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Sales Channel

8.2.2. By End Use

8.2.3. By Country

8.3. Asia Pacific: Country Analysis

8.3.1. China Copper Rod Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Sales Channel

8.3.1.2.2. By End Use

8.3.2. India Copper Rod Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Sales Channel

8.3.2.2.2. By End Use

8.3.3. South Korea Copper Rod Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Sales Channel

8.3.3.2.2. By End Use

8.3.4. Japan Copper Rod Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Sales Channel

8.3.4.2.2. By End Use

8.3.5. Australia Copper Rod Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Sales Channel

8.3.5.2.2. By End Use

9. SOUTH AMERICA COPPER ROD MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Sales Channel

- 9.2.2. By End Use
- 9.2.3. By Country
- 9.3. South America: Country Analysis
 - 9.3.1. Brazil Copper Rod Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Sales Channel
 - 9.3.1.2.2. By End Use
 - 9.3.2. Argentina Copper Rod Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Sales Channel
 - 9.3.2.2.2. By End Use
 - 9.3.3. Colombia Copper Rod Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Sales Channel
 - 9.3.3.2.2. By End Use

10. MIDDLE EAST AND AFRICA COPPER ROD MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Sales Channel
 - 10.2.2. By End Use
 - 10.2.3. By Country
- 10.3. MEA: Country Analysis
 - 10.3.1. South Africa Copper Rod Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Sales Channel
 - 10.3.1.2.2. By End Use
 - 10.3.2. Saudi Arabia Copper Rod Market Outlook
 - 10.3.2.1. Market Size & Forecast

- 10.3.2.1.1. By Value
- 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Sales Channel
 - 10.3.2.2.2. By End Use
- 10.3.3. UAE Copper Rod Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Sales Channel
 - 10.3.3.2.2. By End Use

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

13. GLOBAL COPPER ROD MARKET: SWOT ANALYSIS

14. PORTERS FIVE FORCES ANALYSIS

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

- 15.1. Nexans
 - 15.1.1. Business Overview
 - 15.1.2. Company Snapshot
 - 15.1.3. Products & Services
 - 15.1.4. Financials (As Reported)

- 15.1.5. Recent Developments
- 15.1.6. Key Personnel Details
- 15.1.7. SWOT Analysis
- 15.2. Aurubis AG
- 15.3. Southwire Company
- 15.4. Elcowire
- 15.5. KME
- 15.6. Colada Continua Chilena S.A
- 15.7. Gulf Cables and Electrical Industries Group Co. Ltd
- 15.8. Union Copper Rod LLC
- 15.9. Dubai Cables Co. Ltd. (DUCAB)
- 15.10. Hindalco Industries Limited

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

I would like to order

Product name: Copper Rod Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Channel (Direct, Indirect), By End Use (Electrical & Electronics, Construction, Automotive & Transportation, Industrial Machinery & Equipment, Others), By Region and Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/C91757BAD2EBEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C91757BAD2EBEN.html>