

Asia-Pacific High Voltage Cable Market Forecast 2024-2032

Market Report | 2024-07-16 | 179 pages | Inkwood Research

AVAILABLE LICENSES:

- Single User Price \$1600.00
- Global Site License \$2200.00

Report description:

KEY FINDINGS

The Asia-Pacific high voltage cable market is forecasted to progress with a CAGR of 6.21% by 2032, reaching a revenue of \$31174.23 million during the projection years of 2024 and 2032.

MARKET INSIGHTS

With a significant share of 51.51% in 2023, the Asia-Pacific region is expected to remain the largest market for high voltage cables over the forecast period. This growth is driven by the increasing demand for electricity to support industrialization and urbanization in developing countries. China, being the leading energy producer, requires a substantial number of high voltage cables for electricity transmission. Additionally, numerous global players are entering the high voltage cable market in the Asia-Pacific, further contributing to its notable growth.

REGIONAL ANALYSIS

The Asia-Pacific high voltage cable market growth evaluation includes an in-depth analysis of China, Japan, India, South Korea, Indonesia, Vietnam, Thailand, Australia & New Zealand, and Rest of Asia-Pacific. The Chinese government is increasingly prioritizing investments in renewable energy to address air and water pollution and mitigate socio-economic instability. Also, China has vast resources as well as significant potential for future development in this sector. In recent years, the country has installed more new renewable energy capacities than Europe and the rest of the Asia-Pacific region. The primary drivers for this shift include improved energy security, reduced air pollution, and the increased cost-competitiveness of renewable energy technologies.

In contrast, Japan's market for high voltage cables is experiencing stable growth due to the country's renewable energy developments. Japan's market, characterized by self-sufficiency, low energy consumption, and renewable energy focus, is expected to expand over the next decade. The government is particularly promoting solar energy through the introduction of a feed-in tariff system. However, the country's low energy self-sufficiency ratio increases its dependence on other countries for resources, which may pose challenges in securing energy.

With the potential to completely meet its energy needs via self-produced energy, South Korea's total production from all electric energy facilities amounts to approximately 526 billion kWh; this accounts for 104% of the country's own requirements, and the surplus energy is either exported to other countries or remains unused. Alongside pure consumption, the production, import, and export of energy resources such as natural gas and crude oil play a significant role. Since 2012, electricity providers in South Korea with generation facilities of 500 MW or more have been mandated by the Ministry of Trade, Industry and Energy to supply a

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

certain percentage of their total electricity output from renewable energy sources, including biomass, solar, and wind power. Hence, the aforementioned factors are projected to bolster the demand for high voltage cables, subsequently fueling the region's market growth during the forecast period.

SEGMENTATION ANALYSIS

The Asia-Pacific high voltage cable market segmentation analysis includes end-user and installation. The installation segment is further classified into submarine, underground, and overhead. Underground high voltage cables are installed beneath the ground to transmit power over long distances with minimal loss. These cables consist of one or more conductors, insulated and shielded to protect them from electromagnetic field (EMF) loss and mechanical damage. They are considered a replacement for overhead cables due to their reduced vulnerability to severe weather conditions such as lightning, wind, heavy rain, and freezing. Underground cables can also be installed inside underground tracks and ducts or directly buried to shield them from atmospheric conditions like high winds, rain, and dust.

The underground cables segment is anticipated to expand due to its numerous advantages. For example, these cables are preferred in areas sensitive to the harmful emissions of overhead cables and in densely populated regions. Additionally, leading market players are focusing on launching new products related to underground cables to expand their market reach. Prominent players are also entering into sales agreements with other companies to increase their market share and geographical presence.

COMPETITIVE INSIGHTS

The top companies in the Asia-Pacific high voltage cable market include Furukawa Electric Co Ltd, Hitachi Ltd, Nexans, NKT Cables, Prysmian Group, Siemens AG, etc.

Hitachi Ltd manufactures a diverse range of electrical and electronic products. The company's product portfolio includes servers, storage products, elevators, escalators, railway systems, transmission and distribution systems, semiconductor processing equipment, medical electronics equipment, hydraulic excavators, mining machinery, semiconductor and display-related materials, energy storage devices, magnetic materials and components, wires and cables, electric powertrain systems, car information systems, air conditioning equipment, and optical disc drives.

In addition to its product offerings, Hitachi Ltd provides consulting, cloud services, logistics, property management, leasing, and loan guarantees. The company serves various sectors through its products and services, including power, energy and utilities, transportation, finance, government, and healthcare. Hitachi operates in the Asia-Pacific, North America, Latin America, and Europe, with headquarters in Tokyo, Japan.

The NH-WEP series from Hitachi features rolling stock cables with a rated voltage of 30 kV, designed primarily for high-speed rolling stock. Furthermore, the adoption of technologies incorporating advanced covering materials has enabled Hitachi to produce halogen-free wires and cables successfully.

Table of Contents:

TABLE OF CONTENTS

1. RESEARCH SCOPE & METHODOLOGY

1.1. STUDY OBJECTIVES

1.2. METHODOLOGY

1.3. ASSUMPTIONS & LIMITATIONS

2. EXECUTIVE SUMMARY

2.1. MARKET SIZE & ESTIMATES

2.2. MARKET OVERVIEW

2.3. SCOPE OF STUDY

2.4. CRISIS SCENARIO ANALYSIS

2.4.1. IMPACT OF COVID-19 ON THE HIGH VOLTAGE CABLE MARKET

2.5. MAJOR MARKET FINDINGS

2.5.1. RISE IN ONSHORE AND OFFSHORE PROJECTS

2.5.2. UNDERGROUND CABLES LEAD THE HIGH VOLTAGE CABLE MARKET, EMPHASIZING RELIABILITY AND SUSTAINABLE ENERGY

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

SOLUTIONS

2.5.3. INFRASTRUCTURE SECTOR EMERGES AS THE FASTEST-GROWING END-USER SEGMENT

3. MARKET DYNAMICS

3.1. KEY DRIVERS

3.1.1. ADVANCEMENTS IN EMERGING ECONOMIES

3.1.2. EXPANSION OF INFRASTRUCTURE PROJECTS

3.1.3. ESCALATING INVESTMENTS IN SMART GRID TECHNOLOGY

3.1.4. INCREASING INTEGRATION OF RENEWABLE ENERGY SOURCES IN POWER GENERATION

3.2. KEY RESTRAINTS

3.2.1. SUBSTANTIAL UPFRONT INVESTMENT

3.2.2. VOLATILITY IN RAW MATERIAL PRICES

4. KEY ANALYTICS

4.1. PARENT MARKET ANALYSIS

4.2. KEY MARKET TRENDS

4.2.1. RISING INVESTMENT IN OFFSHORE WIND PROJECTS AND ITS INFLUENCE ON HIGH VOLTAGE CABLE DEMAND

4.2.2. IMPACT OF REGULATORY CHANGES ON THE HIGH VOLTAGE CABLE MARKET

4.2.3. ADOPTION OF UNDERGROUND AND SUBMARINE CABLES

4.2.4. ADVANCEMENTS IN CABLE MATERIALS AND THEIR ROLE IN ENHANCING HIGH VOLTAGE CABLE EFFICIENCY

4.3. PORTER'S FIVE FORCES ANALYSIS

4.3.1. BUYERS POWER

4.3.2. SUPPLIERS POWER

4.3.3. SUBSTITUTION

4.3.4. NEW ENTRANTS

4.3.5. INDUSTRY RIVALRY

4.4. GROWTH PROSPECT MAPPING

4.5. MARKET MATURITY ANALYSIS

4.6. MARKET CONCENTRATION ANALYSIS

4.7. VALUE CHAIN ANALYSIS

4.7.1. RAW MATERIALS

4.7.2. HIGH VOLTAGE CABLE MANUFACTURES

4.7.3. DISTRIBUTORS

4.7.4. END-USERS

4.8. KEY BUYING CRITERIA

4.8.1. COST

4.8.2. PRODUCT FEATURES

4.8.3. EFFICIENCY

5. MARKET BY INSTALLATION

5.1. OVERHEAD

5.1.1. MARKET FORECAST FIGURE

5.1.2. SEGMENT ANALYSIS

5.2. UNDERGROUND

5.2.1. MARKET FORECAST FIGURE

5.2.2. SEGMENT ANALYSIS

5.3. SUBMARINE

5.3.1. MARKET FORECAST FIGURE

5.3.2. SEGMENT ANALYSIS

6. MARKET BY END-USER

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.1. INDUSTRIAL
 - 6.1.1. POWER UTILITIES
 - 6.1.1.1. MARKET FORECAST FIGURE
 - 6.1.1.2. SEGMENT ANALYSIS
 - 6.1.2. OIL & GAS
 - 6.1.2.1. MARKET FORECAST FIGURE
 - 6.1.2.2. SEGMENT ANALYSIS
 - 6.1.3. MINING
 - 6.1.3.1. MARKET FORECAST FIGURE
 - 6.1.3.2. SEGMENT ANALYSIS
 - 6.1.4. CHEMICAL & PETROCHEMICAL
 - 6.1.4.1. MARKET FORECAST FIGURE
 - 6.1.4.2. SEGMENT ANALYSIS
 - 6.1.5. OTHER INDUSTRIAL END-USERS
 - 6.1.5.1. MARKET FORECAST FIGURE
 - 6.1.5.2. SEGMENT ANALYSIS
- 6.2. RENEWABLE ENERGY
 - 6.2.1. MARKET FORECAST FIGURE
 - 6.2.2. SEGMENT ANALYSIS
- 6.3. INFRASTRUCTURE
 - 6.3.1. COMMERCIAL
 - 6.3.1.1. MARKET FORECAST FIGURE
 - 6.3.1.2. SEGMENT ANALYSIS
 - 6.3.2. RESIDENTIAL
 - 6.3.2.1. MARKET FORECAST FIGURE
 - 6.3.2.2. SEGMENT ANALYSIS
- 7. GEOGRAPHICAL ANALYSIS
 - 7.1. ASIA-PACIFIC
 - 7.1.1. MARKET SIZE & ESTIMATES
 - 7.1.2. ASIA-PACIFIC HIGH VOLTAGE CABLE MARKET DRIVERS
 - 7.1.3. ASIA-PACIFIC HIGH VOLTAGE CABLE MARKET CHALLENGES
 - 7.1.4. KEY PLAYERS IN ASIA-PACIFIC HIGH VOLTAGE CABLE MARKET
 - 7.1.5. COUNTRY ANALYSIS
 - 7.1.5.1. CHINA
 - 7.1.5.1.1. CHINA HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES
 - 7.1.5.2. JAPAN
 - 7.1.5.2.1. JAPAN HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES
 - 7.1.5.3. INDIA
 - 7.1.5.3.1. INDIA HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES
 - 7.1.5.4. AUSTRALIA & NEW ZEALAND
 - 7.1.5.4.1. AUSTRALIA & NEW ZEALAND HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES
 - 7.1.5.5. SOUTH KOREA
 - 7.1.5.5.1. SOUTH KOREA HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES
 - 7.1.5.6. INDONESIA
 - 7.1.5.6.1. INDONESIA HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES
 - 7.1.5.7. VIETNAM
 - 7.1.5.7.1. VIETNAM HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.1.5.8. THAILAND
 - 7.1.5.8.1. THAILAND HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES
- 7.1.5.9. REST OF ASIA-PACIFIC
 - 7.1.5.9.1. REST OF ASIA-PACIFIC HIGH VOLTAGE CABLE MARKET SIZE & OPPORTUNITIES
- 8. COMPETITIVE LANDSCAPE
 - 8.1. KEY MARKET STRATEGIES
 - 8.1.1. MERGERS & ACQUISITIONS
 - 8.1.2. PRODUCT LAUNCHES & DEVELOPMENTS
 - 8.1.3. PARTNERSHIPS & AGREEMENTS
 - 8.1.4. BUSINESS EXPANSIONS & DIVESTITURES
 - 8.2. COMPANY PROFILES
 - 8.2.1. DUBAI CABLE COMPANY PVT LTD
 - 8.2.1.1. COMPANY OVERVIEW
 - 8.2.1.2. PRODUCT PORTFOLIO
 - 8.2.1.3. STRENGTHS & CHALLENGES
 - 8.2.2. FINOLEX CABLES
 - 8.2.2.1. COMPANY OVERVIEW
 - 8.2.2.2. PRODUCT PORTFOLIO
 - 8.2.2.3. STRENGTHS & CHALLENGES
 - 8.2.3. FURUKAWA ELECTRIC CO LTD
 - 8.2.3.1. COMPANY OVERVIEW
 - 8.2.3.2. PRODUCT PORTFOLIO
 - 8.2.3.3. STRENGTHS & CHALLENGES
 - 8.2.4. HITACHI LTD
 - 8.2.4.1. COMPANY OVERVIEW
 - 8.2.4.2. PRODUCT PORTFOLIO
 - 8.2.4.3. STRENGTHS & CHALLENGES
 - 8.2.5. NEXANS
 - 8.2.5.1. COMPANY OVERVIEW
 - 8.2.5.2. PRODUCT PORTFOLIO
 - 8.2.5.3. STRENGTHS & CHALLENGES
 - 8.2.6. NKT CABLES
 - 8.2.6.1. COMPANY OVERVIEW
 - 8.2.6.2. PRODUCT PORTFOLIO
 - 8.2.6.3. STRENGTHS & CHALLENGES
 - 8.2.7. PRYSMIAN GROUP
 - 8.2.7.1. COMPANY OVERVIEW
 - 8.2.7.2. PRODUCT PORTFOLIO
 - 8.2.7.3. STRENGTHS & CHALLENGES
 - 8.2.8. SIEMENS AG
 - 8.2.8.1. COMPANY OVERVIEW
 - 8.2.8.2. PRODUCT PORTFOLIO
 - 8.2.8.3. STRENGTHS & CHALLENGES
 - 8.2.9. SOUTHWIRE LLC
 - 8.2.9.1. COMPANY OVERVIEW
 - 8.2.9.2. PRODUCT PORTFOLIO
 - 8.2.9.3. STRENGTHS & CHALLENGES

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.2.10. SUMITOMO ELECTRIC INDUSTRIES LTD
 - 8.2.10.1. COMPANY OVERVIEW
 - 8.2.10.2. PRODUCT PORTFOLIO
 - 8.2.10.3. STRENGTHS & CHALLENGES
- 8.2.11. SYNERGY CABLES LTD
 - 8.2.11.1. COMPANY OVERVIEW
 - 8.2.11.2. PRODUCT PORTFOLIO
 - 8.2.11.3. STRENGTHS & CHALLENGES
- 8.2.12. TBEA CO LTD
 - 8.2.12.1. COMPANY OVERVIEW
 - 8.2.12.2. PRODUCT PORTFOLIO
 - 8.2.12.3. STRENGTHS & CHALLENGES
- 8.2.13. TELE-FONIKA KABLE SA
 - 8.2.13.1. COMPANY OVERVIEW
 - 8.2.13.2. PRODUCT PORTFOLIO
 - 8.2.13.3. STRENGTHS & CHALLENGES
- 8.2.14. TRATOS
 - 8.2.14.1. COMPANY OVERVIEW
 - 8.2.14.2. PRODUCT PORTFOLIO
 - 8.2.14.3. STRENGTHS & CHALLENGES

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Asia-Pacific High Voltage Cable Market Forecast 2024-2032

Market Report | 2024-07-16 | 179 pages | Inkwood Research

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User Price	\$1600.00
	Global Site License	\$2200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-08"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com