

Global Medium Voltage Cable & Accessories Market Size Study & Forecast, by Installation (Overhead and Underground), by Voltage (1 kV - 15 kV, 16 kV - 35 kV, and 36 kV - 70 kV), by Application (Industrial, Commercial, and Utility), and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/G52E193FBD6BEN.html>

Date: November 2024

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G52E193FBD6BEN

Abstracts

The Global Medium Voltage Cable & Accessories Market is valued at approximately USD 42.01 billion in 2024 and is projected to expand at a compound annual growth rate (CAGR) of 7.81% over the forecast period 2025–2035. Driven by the ever-growing demand for stable and efficient electricity transmission, the market for medium voltage (MV) cable and accessories is becoming an indispensable asset in the global power infrastructure network. These components are critical for linking substations, industrial machinery, and distribution grids. Their role in enhancing energy efficiency, reducing transmission losses, and enabling the integration of renewables is pushing their adoption across utilities, manufacturing hubs, and urban infrastructure projects. Moreover, the accelerating pace of industrialization, urban expansion, and power grid modernization projects—especially in developing economies—has further intensified demand for robust and resilient MV cable systems.

The growing urgency to upgrade aging electrical grids and expand decentralized energy systems is triggering massive investments in medium voltage installations.

Governments and private sector players are focusing on reinforcing electricity infrastructure to support smart grids and renewable energy interconnections. MV cables, with their capacity to operate reliably in high-load environments over long distances, are fast replacing outdated, low-capacity systems. Additionally, technological advancements such as cross-linked polyethylene (XLPE) insulation, improved jointing

techniques, and pre-fabricated accessories are enhancing cable life cycles and performance metrics. Utility and industrial sectors are especially leaning toward underground cable systems to mitigate outage risks, reduce maintenance costs, and comply with stricter environmental and safety regulations.

Regionally, North America holds a commanding position in the global MV cable & accessories market, underpinned by extensive grid reinforcement programs, clean energy transitions, and robust funding into infrastructure resilience. The United States, in particular, is seeing surging deployments of MV networks across utilities and data centers. Meanwhile, the Asia Pacific region is expected to witness the most rapid growth, fueled by high electricity consumption in urban and semi-urban areas, rapid industrial development, and ambitious renewable energy deployment targets in nations like China, India, and South Korea. Europe, supported by the EU's climate initiatives and energy security frameworks, is also witnessing strong traction—especially in offshore wind grid connections and underground installations in urban spaces.

Major market player included in this report are:

Prysmian Group

General Cable

Nexans S.A.

Southwire Company LLC

Sumitomo Electric Industries, Ltd.

NKT A/S

ABB Ltd.

LS Cable & System Ltd.

TPC Wire & Cable

TE Connectivity

Hellenic Cables Group

Riyadh Cables Group

Taihan Electric Wire Co., Ltd.

Brugg Kabel AG

Elsowedy Electric

Global Medium Voltage Cable & Accessories Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

Global Medium Voltage Cable & Accessories Market Size Study & Forecast, by Installation (Overhead and Undergro...

By Installation:

Overhead

Underground

By Voltage:

1 kV - 15 kV

16 kV - 35 kV

36 kV - 70 kV

By Application:

Industrial

Commercial

Utility

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL MEDIUM VOLTAGE CABLE & ACCESSORIES MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. Key Findings

CHAPTER 3. GLOBAL MEDIUM VOLTAGE CABLE & ACCESSORIES MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping the Global Medium Voltage Cable & Accessories Market (2024–2035)
- 3.2. Drivers
 - 3.2.1. Rapid industrialization and urban infrastructure development globally
 - 3.2.2. Surge in investments for smart grid and renewable energy integration
- 3.3. Restraints
 - 3.3.1. High installation and maintenance costs of underground cables
 - 3.3.2. Complex regulatory framework and delayed project approvals
- 3.4. Opportunities
 - 3.4.1. Rising demand for energy efficiency and grid modernization

3.4.2. Technological advancements in MV cable materials and accessories

CHAPTER 4. GLOBAL MEDIUM VOLTAGE CABLE & ACCESSORIES INDUSTRY ANALYSIS

- 4.1. Porter's Five Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's Five Force Forecast Model (2024–2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024–2025)
- 4.7. Global Pricing Analysis and Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL MEDIUM VOLTAGE CABLE & ACCESSORIES MARKET SIZE & FORECASTS BY INSTALLATION 2025–2035

- 5.1. Market Overview
- 5.2. Global Medium Voltage Cable & Accessories Market Performance – Potential Analysis (2025)
- 5.3. Overhead
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.3.2. Market Size Analysis by Region, 2025–2035
- 5.4. Underground
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 5.4.2. Market Size Analysis by Region, 2025–2035

CHAPTER 6. GLOBAL MEDIUM VOLTAGE CABLE & ACCESSORIES MARKET

Global Medium Voltage Cable & Accessories Market Size Study & Forecast, by Installation (Overhead and Undergro...

SIZE & FORECASTS BY VOLTAGE 2025–2035

- 6.1. Market Overview
- 6.2. Global Medium Voltage Cable & Accessories Market Performance – Potential Analysis (2025)
- 6.3. 1 kV – 15 kV
 - 6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.3.2. Market Size Analysis by Region, 2025–2035
- 6.4. 16 kV – 35 kV
 - 6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.4.2. Market Size Analysis by Region, 2025–2035
- 6.5. 36 kV – 70 kV
 - 6.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 6.5.2. Market Size Analysis by Region, 2025–2035

CHAPTER 7. GLOBAL MEDIUM VOLTAGE CABLE & ACCESSORIES MARKET SIZE & FORECASTS BY APPLICATION 2025–2035

- 7.1. Market Overview
- 7.2. Global Medium Voltage Cable & Accessories Market Performance – Potential Analysis (2025)
- 7.3. Industrial
 - 7.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.3.2. Market Size Analysis by Region, 2025–2035
- 7.4. Commercial
 - 7.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.4.2. Market Size Analysis by Region, 2025–2035
- 7.5. Utility
 - 7.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.5.2. Market Size Analysis by Region, 2025–2035

CHAPTER 8. GLOBAL MEDIUM VOLTAGE CABLE & ACCESSORIES MARKET SIZE & FORECASTS BY REGION 2025–2035

- 8.1. Global Medium Voltage Cable & Accessories Market – Regional Market Snapshot
- 8.2. Top Leading & Emerging Countries
- 8.3. North America
 - 8.3.1. U.S.
 - 8.3.1.1. Installation Breakdown Size & Forecasts, 2025–2035

- 8.3.1.2. Voltage Breakdown Size & Forecasts, 2025–2035
- 8.3.1.3. Application Breakdown Size & Forecasts, 2025–2035
- 8.3.2. Canada
 - 8.3.2.1. Installation Breakdown Size & Forecasts, 2025–2035
 - 8.3.2.2. Voltage Breakdown Size & Forecasts, 2025–2035
 - 8.3.2.3. Application Breakdown Size & Forecasts, 2025–2035
- 8.4. Europe
 - 8.4.1. UK
 - 8.4.2. Germany
 - 8.4.3. France
 - 8.4.4. Spain
 - 8.4.5. Italy
 - 8.4.6. Rest of Europe
- 8.5. Asia Pacific
 - 8.5.1. China
 - 8.5.2. India
 - 8.5.3. Japan
 - 8.5.4. Australia
 - 8.5.5. South Korea
 - 8.5.6. Rest of Asia Pacific
- 8.6. Latin America
 - 8.6.1. Brazil
 - 8.6.2. Mexico
- 8.7. Middle East & Africa
 - 8.7.1. UAE
 - 8.7.2. Saudi Arabia
 - 8.7.3. South Africa
 - 8.7.4. Rest of Middle East & Africa

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Prysmian Group
 - 9.2.1. Company Overview
 - 9.2.2. Key Executives
 - 9.2.3. Company Snapshot
 - 9.2.4. Financial Performance (Subject to Data Availability)
 - 9.2.5. Product/Services Port
 - 9.2.6. Recent Development

- 9.2.7. Market Strategies
- 9.2.8. SWOT Analysis
- 9.3. General Cable
- 9.4. Nexans S.A.
- 9.5. Southwire Company LLC
- 9.6. Sumitomo Electric Industries, Ltd.
- 9.7. NKT A/S
- 9.8. ABB Ltd.
- 9.9. LS Cable & System Ltd.
- 9.10. TPC Wire & Cable
- 9.11. TE Connectivity
- 9.12. Hellenic Cables Group
- 9.13. Riyadh Cables Group
- 9.14. Taihan Electric Wire Co., Ltd.
- 9.15. Brugg Kabel AG
- 9.16. Elsewedy Electric

List Of Tables

LIST OF TABLES

Table 1. Global Medium Voltage Cable & Accessories Market, Report Scope

Table 2. Global Market Estimates & Forecasts by Region, 2024–2035

Table 3. Market Estimates & Forecasts by Installation, 2024–2035

Table 4. Market Estimates & Forecasts by Voltage, 2024–2035

Table 5. Market Estimates & Forecasts by Application, 2024–2035

Table 6. Market Share Analysis, 2024–2025

Table 7. Pricing Trends by Region, 2025

Table 8. U.S. Market Estimates & Forecasts, 2024–2035

Table 9. Canada Market Estimates & Forecasts, 2024–2035

Table 10. UK Market Estimates & Forecasts, 2024–2035

Table 11. Germany Market Estimates & Forecasts, 2024–2035

Table 12. France Market Estimates & Forecasts, 2024–2035

Table 13. Spain Market Estimates & Forecasts, 2024–2035

Table 14. Italy Market Estimates & Forecasts, 2024–2035

Table 15. Rest of Europe Market Estimates & Forecasts, 2024–2035

Table 16. China Market Estimates & Forecasts, 2024–2035

Table 17. India Market Estimates & Forecasts, 2024–2035

Table 18. Japan Market Estimates & Forecasts, 2024–2035

Table 19. Australia Market Estimates & Forecasts, 2024–2035

Table 20. South Korea Market Estimates & Forecasts, 2024–2035

Table 21. Brazil Market Estimates & Forecasts, 2024–2035

Table 22. Mexico Market Estimates & Forecasts, 2024–2035

Table 23. UAE Market Estimates & Forecasts, 2024–2035

Table 24. Saudi Arabia Market Estimates & Forecasts, 2024–2035

Table 25. South Africa Market Estimates & Forecasts, 2024–2035

List Of Figures

LIST OF FIGURES

- Fig 1. Global Medium Voltage Cable & Accessories Market, Research Methodology
- Fig 2. Market Estimation Techniques
- Fig 3. Market Size Estimates & Forecast Methods
- Fig 4. Global Key Trends, 2025
- Fig 5. Market Growth Prospects, 2024–2035
- Fig 6. Porter's Five Forces Model
- Fig 7. PESTEL Analysis
- Fig 8. Value Chain Analysis
- Fig 9. Market by Installation, 2025 & 2035
- Fig 10. Market by Voltage, 2025 & 2035
- Fig 11. Market by Application, 2025 & 2035
- Fig 12. North America Market, 2025 & 2035
- Fig 13. Europe Market, 2025 & 2035
- Fig 14. Asia Pacific Market, 2025 & 2035
- Fig 15. Latin America Market, 2025 & 2035
- Fig 16. Middle East & Africa Market, 2025 & 2035
- Fig 17. Global Market, Company Market Share Analysis (2025)

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