

EV Cables Market by Type (BEV, HEV, PHEV), Voltage (Low, High), EV Application (Engine & Powertrain, Battery & Charging Management), High Voltage Application, Insulation, Shielding Type (Copper, Aluminium), Component and Region - Global Forecast to 2028

<https://marketpublishers.com/r/E095800C2B74EN.html>

Date: July 2023

Pages: 216

Price: US\$ 4,950.00 (Single User License)

ID: E095800C2B74EN

Abstracts

The global EV cables market is estimated to grow from USD 8.6 billion in 2023 to USD 19.0 billion by 2028, at a CAGR of 17.2%. Major vehicle manufacturers across the globe are focusing on introducing electric vehicles to cater to the increased demand from consumers. Moreover, to curb rising pollution, several countries have implemented stringent emission norms for passenger cars. These factors are anticipated to push the growth of the EV market, thus driving the EV cable market. However, high cost of battery operated vehicles is considered a major restraint for the growth of the EV cables market. Though the outbreak of pandemic COVID-19 all over the world disturbed the economic and financial structures of the whole world. Auto industry noticed a fall due to production halt of vehicles parts and assembly which has collapsed the economies of US, China, UK, Germany, France, Italy, Japan, and many others countries.

“High Voltage segment is expected to grow at the highest CAGR during the forecast period.”

High voltage cables in electric vehicles move power to and from the battery and various systems throughout the electric vehicle. The high voltage electric vehicle cable is used for connecting the charging port and the battery, battery inter wiring, the battery, and the engine and other electrical components to carry the electric current power. Charging management mainly consists of a high voltage battery and battery connections. These

are connected to each other with high voltage cables. In 2020, Huber+Suhner launched its new flexible and robust Radox screened Flex high voltage battery cable range for electric vehicles. The company has combined its Radox technology with a new type of semiconductor to develop this new generation battery cable range. 55A1111-12-9-9, 55A1111-16-9-9, 55A1111-14-9-9 cables which has voltage rating of 600. Electric vehicles will be the future of transport as it is a viable alternative to conventional vehicles that depend directly on the diminishing fossil fuel reserves. Thus, increase in market demand for high voltage cables in critical application in an EV, market for high voltage cables would rise.

“Silicon Rubber Insulation segment is expected to be the fastest growing segment during the forecast period.”

Silicone rubber insulation is one of the most popular materials used in EV cables insulation across the world. It is considered a high tear-resistant material when processed. It is also flexible, which provides a good amount of dielectric strength to cables. Silicone rubber has high abrasion resistance, good antifriction property, and significant chemical resistance. Companies like Leoni AG are offering rubber insulation EV cables and claim that the hot, as well as the cold thermal resistance properties of silicone rubber, make it one of the best insulation materials for EV battery charging cables as compared with materials such as PVC and polyethylene. Cables with silicone rubber insulation are capable of withstanding a temperature range from -60°C to 250°C.

“Copper segment is expected to be the largest market during the forecast period.”

Copper is one of the most popular materials used in EV cables shielding across the world. It is considered a high tear-resistant material when processed. It comes with excellent shielding effectiveness at both low and high temperatures, moderately high coverage, moderately high flexibility and longer life cycle compared to most shielding types. Pure EV battery can contain more than a mile of copper wiring in their stator windings. Electricity delivery in an EV is achieved by a series of wiring primarily composed of copper. IN addition to the copper wire in the engine copper wire is used to connect electronics and battery packs. Companies like Leoni AG, TE Connectivity and Coroplast are offering copper shielding EV cables that have high cable life, better flexibility and can be used for moderate and high-power operations.

In-depth interviews were conducted with CEOs, marketing directors, innovation and technology directors, and executives from various key organizations operating in the market.

By Company Type: OEMs – 20% ,Tier I – 47%, Tier II – 33%

By Designation: C Level – 43%, D Level – 39%, and Others – 18%

By Region: North America – 28%, Europe – 34%, Asia Pacific – 38%

The market comprises major manufacturers such as Leoni AG (Germany), Huber+ Suhner (Switzerland), Sumitomo Electric Industries., Ltd (Japan), Aptiv (Ireland), Nexans (France) among others. The study includes an in-depth competitive analysis of these key players in the market with their company profiles, recent developments, and key market strategies.

Research Coverage:

The study covers the market across segments. It aims at estimating the market size and future growth potential of this market across different segments such as EV type, high voltage type, by insulation material, by shielding type, by voltage, by component, by EV application and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Reasons to buy the Report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Increasing growth of electric vehicles, Increasing fuel

prices and Rising focus of automakers on fuel-efficient vehicles), restraints (High initial cost of EVs, Limited subsidies offered by government and financial organizations), opportunities (Government opportunities for EV charging infrastructure, Rising popularity of HEVs), and challenges (Longer charging time than other fuels, Lack of EV charging infrastructure in developing economies)

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the EV cable market

Market Development: Comprehensive information about lucrative markets – the report analyses the EV cable market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the EV cable market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like Leoni AG (Germany), Huber+Suhner (Switzerland), Sumitomo Electric Industries., Ltd (Japan), Aptiv (Ireland), and Nexans (France) among others in the EV cable market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 EV CABLES MARKET DEFINITION, BY VOLTAGE

1.2.2 EV CABLES MARKET DEFINITION, BY COMPONENT

1.2.3 EV CABLES MARKET DEFINITION, BY INSULATION MATERIAL

1.2.4 EV CABLES MARKET DEFINITION, BY EV TYPE

1.3 INCLUSIONS AND EXCLUSIONS

TABLE 1 INCLUSIONS AND EXCLUSIONS IN EV CABLES MARKET

1.4 MARKET SCOPE

FIGURE 1 MARKETS COVERED

1.4.1 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

TABLE 2 CURRENCY EXCHANGE RATES

1.6 STAKEHOLDERS

1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 EV CABLES MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

FIGURE 3 BREAKDOWN OF PRIMARY INTERVIEWS

2.1.2.1 List of primary participants

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

FIGURE 4 EV CABLES MARKET: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

FIGURE 5 EV CABLES MARKET: TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 6 EV CABLES MARKET: DATA TRIANGULATION

2.4 FACTOR ANALYSIS

2.4.1 FACTOR ANALYSIS FOR MARKET SIZING: DEMAND AND SUPPLY SIDES

2.5 RESEARCH ASSUMPTIONS

2.6 RESEARCH LIMITATIONS

2.7 RECESSION IMPACT

2.7.1 INTRODUCTION

2.7.2 REGIONAL MACROECONOMIC OVERVIEW

2.7.3 ANALYSIS OF KEY ECONOMIC INDICATORS

TABLE 3 KEY ECONOMIC INDICATORS FOR SELECT COUNTRIES, 2021–2022

2.7.4 ECONOMIC STAGFLATION (SLOWDOWN) VS. ECONOMIC RECESSION

2.7.4.1 Europe

TABLE 4 EUROPE: KEY ECONOMIC INDICATORS, 2021–2023

2.7.4.2 Asia Pacific

TABLE 5 ASIA PACIFIC: KEY ECONOMIC INDICATORS, 2021–2023

2.7.4.3 Americas

TABLE 6 AMERICAS: KEY ECONOMIC INDICATORS, 2021–2023

2.7.5 ECONOMIC OUTLOOK/PROJECTIONS

TABLE 7 GDP GROWTH PROJECTIONS FOR KEY COUNTRIES, 2024–2027 (% GROWTH)

3 EXECUTIVE SUMMARY

FIGURE 7 EV CABLES MARKET: MARKET OVERVIEW

FIGURE 8 EV CABLES MARKET, BY REGION, 2023 VS. 2028 (USD MILLION)

FIGURE 9 EV CABLES MARKET, BY EV TYPE, 2023 VS. 2028 (USD MILLION)

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN EV CABLES MARKET

FIGURE 10 INCREASING DEMAND FOR EVS TO DRIVE MARKET

4.2 EV CABLES MARKET, BY REGION

FIGURE 11 ASIA PACIFIC TO ACCOUNT FOR LARGEST MARKET SHARE IN 2023

4.3 EV CABLES MARKET, BY EV TYPE

FIGURE 12 BEV TO HAVE LARGEST MARKET DURING FORECAST PERIOD (USD MILLION)

4.4 EV CABLES MARKET, BY INSULATION MATERIAL

FIGURE 13 THERMOPLASTIC ELASTOMER TO HOLD MAJORITY MARKET SHARE (2023–2028) (USD MILLION)

4.5 EV CABLES MARKET, BY SHIELDING TYPE

FIGURE 14 COPPER SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

4.6 EV CABLES MARKET, BY COMPONENT

FIGURE 15 WIRE SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

4.7 EV CABLES MARKET, BY VOLTAGE

FIGURE 16 HIGH VOLTAGE SEGMENT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

4.8 EV CABLES MARKET, BY HIGH VOLTAGE TYPE

FIGURE 17 BATTERY & BATTERY MANAGEMENT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

4.9 EV CABLES MARKET, BY EV APPLICATION

FIGURE 18 CHARGING MANAGEMENT TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 19 EV CABLES MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Growth of EVs

FIGURE 20 GLOBAL SALES OF ELECTRIC PASSENGER CARS, 2018–2022 (THOUSAND UNITS)

5.2.1.2 Increase in fuel prices

FIGURE 21 AVERAGE PETROL PRICES PER GALLON IN US (1994–2022)

5.2.1.3 Rising focus of automakers on emission-free vehicles

TABLE 8 OEMS' TARGET TO SHIFT TOWARD EV

5.2.2 RESTRAINTS

5.2.2.1 High initial cost of EVs

TABLE 9 AVERAGE VEHICLE COST, BY PROPULSION, 2023

5.2.2.2 Limited subsidies by governments and financial organizations

5.2.3 OPPORTUNITIES

5.2.3.1 Government initiatives pertaining to EV charging infrastructure

TABLE 10 GOVERNMENT PROGRAMS FOR PROMOTION OF EV SALES

5.2.3.2 Rising popularity of HEVs

FIGURE 22 GLOBAL PHEV SALES, BY VOLUME (THOUSAND UNITS)

5.2.4 CHALLENGES

5.2.4.1 Lack of EV charging infrastructure in emerging economies

TABLE 11 COUNTRY-WISE COMPARISON OF EV CHARGER DENSITY

FIGURE 23 EV CHARGING DEMAND, 2020–2030

5.2.4.2 Longer charging time than other fuels

FIGURE 24 AVERAGE INITIAL INVESTMENT COMPARISON FOR DIFFERENT TYPES OF FUEL STATIONS

5.2.5 IMPACT ANALYSIS OF MARKET DYNAMICS

5.3 ECOSYSTEM ANALYSIS

FIGURE 25 EV CABLES MARKET: ECOSYSTEM ANALYSIS

5.3.1 EV CABLE PROVIDERS

5.3.2 TIER-I SUPPLIERS

5.3.3 OEMS

5.3.4 END USERS

TABLE 12 EV CABLES MARKET: ROLE OF COMPANIES IN ECOSYSTEM

5.4 VALUE CHAIN ANALYSIS

FIGURE 26 EV CABLES MARKET: VALUE CHAIN ANALYSIS

5.5 TECHNOLOGY ANALYSIS

5.5.1 SELECTIVE METAL COATING TECHNOLOGY

5.5.2 ILLUMINATED EV CHARGING CABLE

5.5.3 V2X TECHNOLOGY

5.6 PATENT ANALYSIS

5.7 TRENDS AND DISRUPTIONS IN EV CABLES MARKET

FIGURE 27 TRENDS AND DISRUPTIONS IN EV CABLES MARKET

5.8 CASE STUDY ANALYSIS

5.8.1 FUEL CASE STUDY ON ELECTRICAL CONNECTION FOR ALUMINUM CONDUCTORS IN AUTOMOTIVE APPLICATIONS

5.8.2 TESTING CHARGEPOINT CABLE PAVEMENT GULLIES IN OXFORDSHIRE

5.9 REGULATORY FRAMEWORK

5.9.1 COUNTRY-WISE REGULATIONS

5.9.1.1 Netherlands

TABLE 13 NETHERLANDS: EV INCENTIVES

5.9.1.2 Germany

TABLE 14 GERMANY: EV INCENTIVES

5.9.1.3 France

TABLE 15 FRANCE: EV INCENTIVES

5.9.1.4 UK

TABLE 16 UK: EV INCENTIVES

5.9.1.5 China

TABLE 17 CHINA: EV INCENTIVES

5.9.1.6 US

TABLE 18 US: EV INCENTIVES

5.9.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER

ORGANIZATIONS

TABLE 19 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 20 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 21 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 22 ROW: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.10 EV CABLES MARKET SCENARIO ANALYSIS, 2023–2028

5.10.1 MOST LIKELY SCENARIO

TABLE 23 EV CABLES MARKET (MOST LIKELY SCENARIO), BY REGION, 2023–2028 (USD MILLION)

5.10.2 OPTIMISTIC SCENARIO

TABLE 24 EV CABLES MARKET (OPTIMISTIC), BY REGION, 2023–2028 (USD MILLION)

5.10.3 PESSIMISTIC SCENARIO

TABLE 25 EV CABLES MARKET (PESSIMISTIC), BY REGION, 2023–2028 (USD MILLION)

6 EV CABLES MARKET, BY HIGH VOLTAGE TYPE, BY APPLICATION

6.1 INTRODUCTION

FIGURE 28 EV CABLES MARKET, BY HIGH VOLTAGE TYPE, BY APPLICATION 2023–2028 (USD MILLION)

TABLE 26 EV CABLES MARKET, BY HIGH VOLTAGE TYPE, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 27 EV CABLES MARKET, BY HIGH VOLTAGE TYPE, BY APPLICATION, 2023–2028 (USD MILLION)

6.2 ENGINE & POWERTRAIN

6.2.1 GROWING DEMAND FOR POWERTRAINS TO DRIVE MARKET

TABLE 28 ENGINE & POWERTRAIN: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 29 ENGINE & POWERTRAIN: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

6.3 BATTERY & BATTERY MANAGEMENT

6.3.1 ADOPTION OF ADVANCED INTEGRATED TECHNOLOGIES TO DRIVE MARKET

TABLE 30 BATTERY & BATTERY MANAGEMENT: EV CABLES MARKET, BY

REGION, 2019–2022 (USD MILLION)

TABLE 31 BATTERY & BATTERY MANAGEMENT: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4 CHARGING MANAGEMENT

6.4.1 INCREASE IN DEMAND FOR EVS TO DRIVE MARKET

TABLE 32 CHARGING MANAGEMENT: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 33 CHARGING MANAGEMENT: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

6.5 POWER ELECTRONICS

6.5.1 SHIFT TO HIGH VOLTAGE ARCHITECTURE FOR EVS TO DRIVE MARKET

TABLE 34 POWER ELECTRONICS: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 35 POWER ELECTRONICS: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

6.6 OTHERS (MOTOR & INVERTER)

TABLE 36 OTHERS: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 37 OTHERS: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

6.7 KEY INDUSTRY INSIGHTS

7 EV CABLES MARKET, BY VOLTAGE

7.1 INTRODUCTION

FIGURE 29 EV CABLES MARKET, BY VOLTAGE, 2023–2028 (USD MILLION)

TABLE 38 EV CABLES MARKET, BY VOLTAGE, 2019–2022 (USD MILLION)

TABLE 39 EV CABLES MARKET, BY VOLTAGE, 2023–2028 (USD MILLION)

7.2 LOW VOLTAGE (UPTO 100V)

7.2.1 INSTALLATION OF LOW VOLTAGE CABLES FOR APPLICATIONS SUCH AS POWER ELECTRONICS TO DRIVE MARKET

TABLE 40 LOW VOLTAGE: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 41 LOW VOLTAGE: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

7.3 MEDIUM VOLTAGE (100V–300V)

7.3.1 RISING ADOPTION OF NEW EV TECHNOLOGIES TO DRIVE MARKET

TABLE 42 MEDIUM VOLTAGE: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 43 MEDIUM VOLTAGE: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

7.4 HIGH VOLTAGE (300V–1000V)

7.4.1 INCREASE IN CHARGING MANAGEMENT FOR EVS IN EMERGING ECONOMIES TO DRIVE MARKET

TABLE 44 HIGH VOLTAGE: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 45 HIGH VOLTAGE: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

7.5 VERY HIGH VOLTAGE (ABOVE 1000V)

7.5.1 SHIFT TO VERY HIGH VOLTAGE ARCHITECTURE FOR EVS TO DRIVE MARKET

TABLE 46 VERY HIGH VOLTAGE: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 47 VERY HIGH VOLTAGE: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

7.6 KEY INDUSTRY INSIGHTS

8 EV CABLES MARKET, BY EV APPLICATION

8.1 INTRODUCTION

FIGURE 30 EV CABLES MARKET, BY EV APPLICATION, 2023–2028 (USD MILLION)

TABLE 48 EV CABLES MARKET, BY EV APPLICATION, 2019–2022 (USD MILLION)

TABLE 49 EV CABLES MARKET, BY EV APPLICATION, 2023–2028 (USD MILLION)

8.2 ENGINE & POWERTRAIN

8.2.1 INCREASING PENETRATION OF EVS IN EMERGING ECONOMIES TO DRIVE MARKET

TABLE 50 ENGINE & POWERTRAIN: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 51 ENGINE & POWERTRAIN: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3 BATTERY & BATTERY MANAGEMENT

8.3.1 DEMAND FOR EV BATTERIES TO DRIVE MARKET

TABLE 52 BATTERY & BATTERY MANAGEMENT: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 53 BATTERY & BATTERY MANAGEMENT: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

8.4 CHARGING MANAGEMENT

8.4.1 DEVELOPMENT OF CHARGING INFRASTRUCTURE TO DRIVE MARKET

TABLE 54 CHARGING MANAGEMENT: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 55 CHARGING MANAGEMENT: EV CABLES MARKET, BY REGION,
2023–2028 (USD MILLION)

8.5 POWER ELECTRONICS

8.5.1 GROWING PREFERENCE OF CUSTOMERS FOR ADVANCED
TECHNOLOGIES TO DRIVE MARKET

TABLE 56 POWER ELECTRONICS: EV CABLES MARKET, BY REGION, 2019–2022
(USD MILLION)

TABLE 57 POWER ELECTRONICS: EV CABLES MARKET, BY REGION, 2023–2028
(USD MILLION)

8.6 OTHERS (MOTOR & INVERTER)

TABLE 58 OTHERS (MOTOR & INVERTER): EV CABLES MARKET, BY REGION,
2019–2022 (USD MILLION)

TABLE 59 OTHERS (MOTOR & INVERTER): EV CABLES MARKET, BY REGION,
2023–2028 (USD MILLION)

8.7 KEY INDUSTRY INSIGHTS

9 EV CABLES MARKET, BY EV TYPE

9.1 INTRODUCTION

FIGURE 31 EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

TABLE 60 EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 61 EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

9.2 BATTERY ELECTRIC VEHICLE (BEV)

9.2.1 INCREASE IN ADOPTION OF INTEGRATED COMPONENTS BY OEMS TO
DRIVE MARKET

TABLE 62 BEV: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 63 BEV: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3 PLUG-IN HYBRID ELECTRIC VEHICLE (PHEV)

9.3.1 EXTENDED DRIVING RANGE DUE TO LIQUID FUEL TANK AND INTERNAL
COMBUSTION ENGINE TO DRIVE MARKET

TABLE 64 PHEV: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 65 PHEV: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4 FUEL CELL ELECTRIC VEHICLE (FCEV)

9.4.1 ADVANCEMENTS IN FUEL CELL TECHNOLOGY TO DRIVE MARKET

TABLE 66 FCEV: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 67 FCEV: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5 HYBRID ELECTRIC VEHICLE (HEV)

9.5.1 IMPROVED FUEL EFFICIENCY AND REDUCED EMISSIONS TO DRIVE
MARKET

TABLE 68 HEV: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 69 HEV: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

9.6 KEY INDUSTRY INSIGHTS

10 EV CABLES MARKET, BY COMPONENT

10.1 INTRODUCTION

FIGURE 32 EV CABLES MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

TABLE 70 EV CABLES MARKET, BY COMPONENT, 2019–2022 (USD MILLION)

TABLE 71 EV CABLES MARKET, BY COMPONENT, 2023–2028 (USD MILLION)

10.2 WIRE

10.2.1 GROWING DEMAND FOR EVS TO DRIVE MARKET

TABLE 72 WIRE: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 73 WIRE: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

10.3 CONNECTOR/TERMINAL

10.3.1 GROWING DEMAND FOR ELECTRIC DRIVETRAINS TO DRIVE MARKET

TABLE 74 CONNECTOR/TERMINAL: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 75 CONNECTOR/TERMINAL: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

10.4 FUSE

10.4.1 DEMAND FOR SAFETY FOR EV DRIVETRAIN COMPONENTS TO DRIVE MARKET

TABLE 76 FUSE: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 77 FUSE: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

10.5 OTHERS

TABLE 78 OTHER EV POWER TRANSMISSION COMPONENTS: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 79 OTHER EV POWER TRANSMISSION COMPONENTS: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

10.6 KEY PRIMARY INSIGHTS

11 EV CABLES MARKET, BY INSULATION MATERIAL

11.1 INTRODUCTION

FIGURE 33 EV CABLES MARKET, BY INSULATION MATERIAL, 2023–2028 (USD MILLION)

TABLE 80 EV CABLES MARKET, BY INSULATION MATERIAL, 2019–2022 (USD MILLION)

TABLE 81 EV CABLES MARKET, BY INSULATION MATERIAL, 2023–2028 (USD MILLION)

11.2 SILICON RUBBER INSULATION

11.2.1 GROWING EV DEMAND TO DRIVE MARKET

TABLE 82 SILICON RUBBER INSULATION: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 83 SILICON RUBBER INSULATION: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

11.3 THERMOPLASTIC ELASTOMER

11.3.1 GROWING DEMAND FOR EVS IN MODERATELY LOW-TEMPERATURE REGIONS TO DRIVE MARKET

TABLE 84 THERMOPLASTIC ELASTOMER: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 85 THERMOPLASTIC ELASTOMER: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

11.4 FLUOROPOLYMER

11.4.1 GROWING DEMAND FOR HIGHLY ADAPTABLE EV CABLES TO DRIVE MARKET

TABLE 86 FLUOROPOLYMER: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 87 FLUOROPOLYMER: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

11.5 OTHERS

TABLE 88 OTHER INSULATION MATERIALS: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 89 OTHER INSULATION MATERIALS: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

11.6 KEY PRIMARY INSIGHTS

12 EV CABLES MARKET, BY SHIELDING TYPE

12.1 INTRODUCTION

FIGURE 34 EV CABLES MARKET, BY SHIELDING TYPE, 2023–2028 (USD MILLION)

TABLE 90 EV CABLES MARKET, BY SHIELDING TYPE, 2019–2022 (USD MILLION)

TABLE 91 EV CABLES MARKET, BY SHIELDING TYPE, 2023–2028 (USD MILLION)

12.2 COPPER

12.2.1 GROWING DEMAND FOR LONG-LASTING EV CABLES TO DRIVE MARKET

TABLE 92 COPPER: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 93 COPPER: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.3 ALUMINUM

12.3.1 GROWING DEMAND FOR HIGHLY EFFICIENT EV CABLES TO DRIVE MARKET

TABLE 94 ALUMINUM: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 95 ALUMINUM: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.4 OTHERS

TABLE 96 OTHER SHIELDING TYPES: EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 97 OTHER SHIELDING TYPES: EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

12.5 KEY PRIMARY INSIGHTS

13 EV CABLES MARKET, BY REGION

13.1 INTRODUCTION

FIGURE 35 EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 98 EV CABLES MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 99 EV CABLES MARKET, BY REGION, 2023–2028 (USD MILLION)

13.2 ASIA PACIFIC

13.2.1 RECESSION IMPACT ANALYSIS

FIGURE 36 ASIA PACIFIC: EV CABLES MARKET SNAPSHOT

TABLE 100 ASIA PACIFIC: EV CABLES MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 101 ASIA PACIFIC: EV CABLES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

13.2.2 CHINA

13.2.2.1 Increase in sales of EVs to drive market

TABLE 102 CHINA: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 103 CHINA: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.2.3 INDIA

13.2.3.1 Active participation of OEMs to drive market

TABLE 104 INDIA: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 105 INDIA: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.2.4 JAPAN

13.2.4.1 EV charging management facilities to drive market

TABLE 106 JAPAN: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 107 JAPAN: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.2.5 SOUTH KOREA

13.2.5.1 Adoption of advanced technologies in EVs to drive market

TABLE 108 SOUTH KOREA: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 109 SOUTH KOREA: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.3 EUROPE

13.3.1 RECESSION IMPACT ANALYSIS

TABLE 110 EUROPE: EV CABLES MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 111 EUROPE: EV CABLES MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

13.3.2 FRANCE

13.3.2.1 Government incentive policies for EV adoption to drive market

TABLE 112 FRANCE: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 113 FRANCE: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.3.3 GERMANY

13.3.3.1 Presence of leading EV cable manufacturers to drive market

TABLE 114 GERMANY: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 115 GERMANY: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.3.4 NORWAY

13.3.4.1 Rising popularity of PHEVs to drive market

TABLE 116 NORWAY: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 117 NORWAY: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.3.5 SPAIN

13.3.5.1 Scrappage policy by government to drive market

TABLE 118 SPAIN: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 119 SPAIN: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.3.6 UK

13.3.6.1 Growing battery market for EVs to drive market

TABLE 120 UK: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 121 UK: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.4 NORTH AMERICA

13.4.1 RECESSION IMPACT ANALYSIS

FIGURE 37 NORTH AMERICA: EV CABLES MARKET SNAPSHOT

TABLE 122 NORTH AMERICA: EV CABLES MARKET, BY COUNTRY, 2019–2022
(USD MILLION)

TABLE 123 NORTH AMERICA: EV CABLES MARKET, BY COUNTRY, 2023–2028
(USD MILLION)

13.4.2 US

13.4.2.1 Presence of leading EV manufacturers to drive market

TABLE 124 US: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD MILLION)

TABLE 125 US: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD MILLION)

13.4.3 CANADA

13.4.3.1 Growth of FCEVs to drive market

TABLE 126 CANADA: EV CABLES MARKET, BY EV TYPE, 2019–2022 (USD
MILLION)

TABLE 127 CANADA: EV CABLES MARKET, BY EV TYPE, 2023–2028 (USD
MILLION)

14 COMPETITIVE LANDSCAPE

14.1 OVERVIEW

14.2 MARKET SHARE ANALYSIS FOR EV CABLES MARKET

TABLE 128 MARKET SHARE ANALYSIS, 2022

FIGURE 38 MARKET SHARE ANALYSIS, 2022

14.2.1 LEONI AG

14.2.2 HUBER+SUHNER

14.2.3 SUMITOMO ELECTRIC INDUSTRIES, LTD.

14.2.4 APTIV

14.2.5 NEXANS

14.3 REVENUE ANALYSIS OF TOP LISTED/PUBLIC PLAYERS

FIGURE 39 TOP PUBLIC/LISTED PLAYERS DOMINATING EV CABLES MARKET
DURING LAST FIVE YEARS

14.4 COMPETITIVE SCENARIO

14.4.1 PRODUCT LAUNCHES

TABLE 129 PRODUCT LAUNCHES, 2020-2023

14.4.2 DEALS

TABLE 130 DEALS, 2020–2023

14.4.3 OTHERS

TABLE 131 OTHERS, 2020-2023

14.5 COMPANY EVALUATION MATRIX

14.5.1 STARS

14.5.2 EMERGING LEADERS

14.5.3 PERVASIVE

14.5.4 PARTICIPANTS

FIGURE 40 EV CABLES MARKET: COMPANY EVALUATION MATRIX, 2023

TABLE 132 EV CABLES MARKET: COMPANY FOOTPRINT, 2023

TABLE 133 EV CABLES MARKET: PRODUCT FOOTPRINT, 2023

14.5.5 EV CABLES MARKET: REGIONAL FOOTPRINT, 2023

14.6 START-UP/SME EVALUATION MATRIX

14.6.1 PROGRESSIVE COMPANIES

14.6.2 RESPONSIVE COMPANIES

14.6.3 DYNAMIC COMPANIES

14.6.4 STARTING BLOCKS

FIGURE 41 EV CABLES MARKET: START-UP/SME EVALUATION MATRIX, 2023

15 COMPANY PROFILES

15.1 KEY PLAYERS

(Business Overview, Products offered, Recent Developments, MnM View)*

15.1.1 LEONI AG

TABLE 134 LEONI AG: COMPANY OVERVIEW

FIGURE 42 LEONI AG: COMPANY SNAPSHOT

TABLE 135 LEONI AG: PRODUCTS OFFERED

TABLE 136 LEONI AG: DEALS

TABLE 137 LEONI AG: OTHERS

15.1.2 HUBER+SUHNER

TABLE 138 HUBER+SUHNER: COMPANY OVERVIEW

FIGURE 43 HUBER+SUHNER: COMPANY SNAPSHOT

TABLE 139 HUBER+SUHNER: PRODUCTS OFFERED

TABLE 140 HUBER+SUHNER: PRODUCT DEVELOPMENTS

15.1.3 SUMITOMO ELECTRIC INDUSTRIES, LTD.

TABLE 141 SUMITOMO ELECTRIC INDUSTRIES, LTD.: COMPANY OVERVIEW

FIGURE 44 SUMITOMO ELECTRIC INDUSTRIES, LTD.: COMPANY SNAPSHOT

TABLE 142 SUMITOMO ELECTRIC INDUSTRIES, LTD.: PRODUCTS OFFERED

TABLE 143 SUMITOMO ELECTRIC INDUSTRIES, LTD.: PRODUCT DEVELOPMENTS

TABLE 144 SUMITOMO ELECTRIC INDUSTRIES, LTD.: OTHERS

15.1.4 APTIV

TABLE 145 APTIV: COMPANY OVERVIEW

FIGURE 45 APTIV: COMPANY SNAPSHOT

TABLE 146 APTIV: PRODUCTS OFFERED

TABLE 147 APTIV: DEALS

TABLE 148 APTIV: OTHERS

15.1.5 NEXANS

TABLE 149 NEXANS: COMPANY OVERVIEW

FIGURE 46 NEXANS: COMPANY SNAPSHOT

TABLE 150 NEXANS: PRODUCTS OFFERED

TABLE 151 NEXANS: OTHERS

15.1.6 TE CONNECTIVITY

TABLE 152 TE CONNECTIVITY: COMPANY OVERVIEW

FIGURE 47 TE CONNECTIVITY: COMPANY SNAPSHOT

TABLE 153 TE CONNECTIVITY: PRODUCTS OFFERED

TABLE 154 TE CONNECTIVITY: OTHERS

15.1.7 ELAND CABLES

TABLE 155 ELAND CABLES: COMPANY OVERVIEW

TABLE 156 ELAND CABLES: PRODUCTS OFFERED

15.1.8 ACOME

TABLE 157 ACOME: COMPANY OVERVIEW

FIGURE 48 ACOME: COMPANY SNAPSHOT

TABLE 158 ACOME: PRODUCTS OFFERED

TABLE 159 ACOME: PRODUCT DEVELOPMENTS

15.1.9 ELKEM

TABLE 160 ELKEM: COMPANY OVERVIEW

FIGURE 49 ELKEM: COMPANY SNAPSHOT

TABLE 161 ELKEM: PRODUCTS OFFERED

TABLE 162 ELKEM: OTHERS

15.1.10 COROPLAST

TABLE 163 COROPLAST: COMPANY OVERVIEW

TABLE 164 COROPLAST: PRODUCTS OFFERED

15.1.11 CHAMPLAIN CABLE CORPORATION

TABLE 165 CHAMPLAIN CABLE CORPORATION: COMPANY OVERVIEW

TABLE 166 CHAMPLAIN CABLE CORPORATION: PRODUCTS OFFERED

TABLE 167 CHAMPLAIN CABLE CORPORATION: OTHERS

15.1.12 SINBON ELECTRONICS

TABLE 168 SINBON ELECTRONICS: COMPANY OVERVIEW

TABLE 169 SINBON ELECTRONICS: PRODUCTS OFFERED

TABLE 170 SINBON ELECTRONICS: DEALS

15.1.13 PHILATRON WIRE & CABLE

TABLE 171 PHILATRON WIRE & CABLE: COMPANY OVERVIEW

TABLE 172 PHILATRON WIRE & CABLE: PRODUCTS OFFERED

TABLE 173 PHILATRON WIRE & CABLE: PRODUCT DEVELOPMENTS

*Details on Business Overview, Products offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

15.2 OTHER KEY PLAYERS

15.2.1 FURUKAWA ELECTRIC CO., LTD

15.2.2 HENGFEI CABLE CO., LTD

15.2.3 DYDEN CORPORATION

15.2.4 RIYING ELECTRONICS CO., LTD

15.2.5 THB GROUP

15.2.6 YURA CORPORATION

15.2.7 YAZAKI CORPORATION

15.2.8 FUJIKURA LTD

15.2.9 OMG EV CABLE

15.2.10 DRAXLMAIER GROUP

15.2.11 BESEN INTERNATIONAL GROUP

15.2.12 GENERAL CABLE (PRYSMIAN GROUP)

16 RECOMMENDATIONS BY MARKETSDANDMARKETS

16.1 ASIA PACIFIC IS KEY FOCUS MARKET FOR EV CABLES

16.2 TECHNOLOGICAL ADVANCEMENTS TO DRIVE MARKET FOR EV CABLES

16.3 RISING ADOPTION OF HIGH VOLTAGE CABLES

16.4 CONCLUSION

17 APPENDIX

17.1 KEY INSIGHTS FROM INDUSTRY EXPERTS

17.2 DISCUSSION GUIDE

17.3 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

17.4 CUSTOMIZATION OPTIONS

17.5 RELATED REPORTS

17.6 AUTHOR DETAILS

I would like to order

Product name: EV Cables Market by Type (BEV, HEV, PHEV), Voltage (Low, High), EV Application (Engine & Powertrain, Battery & Charging Management), High Voltage Application, Insulation, Shielding Type (Copper, Aluminium), Component and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/E095800C2B74EN.html>

Price: US\$ 4,950.00 (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/E095800C2B74EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970