+357 96 030922
info@marketpublishers.com

Global Liquid-cooled EV Charging Cable Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G2410B8A3BE0EN.html
Date: April 2026
Pages: 130
Price: US$ 4,480.00 (Single User License)
ID: G2410B8A3BE0EN

Abstracts

The global Liquid-cooled EV Charging Cable market size is expected to reach $ 915 million by 2032, rising at a market growth of 16.5% CAGR during the forecast period (2026-2032).

Liquid-cooled electric vehicle charging cables are power transmission cables that utilize liquid cooling technology in high-power DC charging systems for electric vehicles. By integrating coolant circulation channels within the cable, heat generated in the conductor is promptly dissipated during high-current charging (e.g., 500A, 600A and above), effectively controlling temperature rise and enhancing current-carrying capacity. Compared to traditional air-cooled cables, liquid-cooled structures can achieve higher power output with smaller wire diameters and lighter weight, improving charging efficiency and user comfort. They are widely used in 800V high-voltage platforms for new energy vehicles and ultra-fast charging infrastructure, and are one of the key components for achieving high-power fast charging. In recent years, the liquid-cooled supercharging pile market has developed rapidly, with significant price fluctuations and substantial price differences between different power ratings. Low-power liquid-cooled charging cables can be as low as around $1500 per cable, while ultra-high-power liquid-cooled charging cables can exceed $5000 per cable.

Liquid-cooled electric vehicle charging cables are key power transmission components in high-power DC charging systems. By integrating coolant circulation channels within the cable, they effectively dissipate heat generated by the conductor under high-current operation, significantly improving current-carrying capacity and controlling temperature rise. Compared to traditional air-cooled cables, liquid-cooled structures can carry currents of 500A, 600A, and even above 800A with smaller wire diameters and lighter weight, significantly improving charging efficiency and user experience. As new energy

+357 96 030922
info@marketpublishers.com

vehicles upgrade to 800V and higher voltage platforms, liquid-cooled charging cables are becoming an important technological support for the construction of ultra-fast charging infrastructure.

In recent years, the global penetration rate of new energy vehicles has continued to increase, and the construction of charging infrastructure has accelerated its transformation from conventional fast charging to high-power ultra-fast charging. The rapid growth in the number of 800V high-voltage platform vehicles has made high-current charging a market necessity. Traditional air-cooled cables face challenges such as difficulty in temperature rise control and heavy wire diameters under continuous high-power operation, while liquid-cooling technology effectively solves the technical bottlenecks in high-power charging scenarios through efficient heat dissipation design. Meanwhile, the accelerated electrification of commercial vehicles and heavy trucks is further expanding the demand for higher-power charging capabilities, driving rapid growth in the liquid-cooled charging cable market.

From a product structure perspective, liquid-cooled electric vehicle charging cables can be categorized by current rating into 500A, 600A, 800A, and higher specifications, with 600A and above specifications showing the fastest growth. In terms of voltage platform, 800V systems are currently the mainstream, while 1000V and above platforms have development potential in the commercial vehicle and energy storage sectors. Technologically, optimized cooling channel structures, the application of high-conductivity copper materials, upgraded insulation materials, and lightweight design are key competitive factors. High-reliability sealing technology and improved weather resistance help extend product lifespan and enhance safety levels.

In terms of the industry chain, upstream suppliers include high-purity copper conductor materials, coolant system components, and high-performance insulation materials; midstream suppliers are liquid-cooled charging cable manufacturers; and downstream suppliers are charging pile manufacturers and charging operators. The industry exhibits a highly technology-driven competitive landscape, with companies possessing core R&D capabilities and large-scale manufacturing capabilities holding an advantage in the high-end market. In terms of regional markets, China is the world's largest market for new energy vehicles and charging infrastructure construction. Europe and North America are experiencing rapid growth in high-power charging network deployment, and emerging markets are also gradually launching high-power charging station construction.

Looking ahead, the global liquid-cooled electric vehicle charging cable market will be

+357 96 030922
info@marketpublishers.com

driven by three core factors: first, the continued penetration of high-voltage platforms for new energy vehicles; second, the expansion of ultra-fast charging network construction; and third, the increasing demand for upgraded charging efficiency and user experience. Market growth is not only reflected in increased quantity but also in upgraded specifications and enhanced product value.

This report studies the global Liquid-cooled EV Charging Cable production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Liquid-cooled EV Charging Cable and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Liquid-cooled EV Charging Cable that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Liquid-cooled EV Charging Cable total production and demand, 2021-2032, (K Units)

Global Liquid-cooled EV Charging Cable total production value, 2021-2032, (USD Million)

Global Liquid-cooled EV Charging Cable production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Liquid-cooled EV Charging Cable consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Liquid-cooled EV Charging Cable domestic production, consumption, key domestic manufacturers and share

Global Liquid-cooled EV Charging Cable production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Liquid-cooled EV Charging Cable production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Liquid-cooled EV Charging Cable production by Application, production, value,

+357 96 030922
info@marketpublishers.com

CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Liquid-cooled EV Charging Cable market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include LS Cable, LEONI, CPC, Phoenix Contact, Caledonian, Rifeng Electric Cable, Pacific Electric Wire & Cable, Omg Transmitting Technology, Jiaxing Tition Cable, Far East Electric, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Liquid-cooled EV Charging Cable market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Liquid-cooled EV Charging Cable Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

+357 96 030922
info@marketpublishers.com

Rest of World

Global Liquid-cooled EV Charging Cable Market, Segmentation by Type:

300–400A Grade

500A Grade

600–800A Grade

1000A Grade

Global Liquid-cooled EV Charging Cable Market, Segmentation by Cooling Medium:

Insulated Oil-cooled Wire

Coolant-cooled Wire

Global Liquid-cooled EV Charging Cable Market, Segmentation by Cable Outer Diameter:

Below 30mm

Above 30mm

Global Liquid-cooled EV Charging Cable Market, Segmentation by Application:

Light Vehicle Charging Stations

Heavy Truck Charging Stations

Others

Companies Profiled:

+357 96 030922
info@marketpublishers.com

LS Cable

LEONI

CPC

Phoenix Contact

Caledonian

Rifeng Electric Cable

Pacific Electric Wire & Cable

Omg Transmitting Technology

Jiaxing Tition Cable

Far East Electric

Wuxi Xinhongye Wire&Cable

Guangzhou Cable

Key Questions Answered:

1. How big is the global Liquid-cooled EV Charging Cable market?
2. What is the demand of the global Liquid-cooled EV Charging Cable market?
3. What is the year over year growth of the global Liquid-cooled EV Charging Cable market?
4. What is the production and production value of the global Liquid-cooled EV Charging Cable market?
5. Who are the key producers in the global Liquid-cooled EV Charging Cable market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

4 UNITED STATES VS CHINA VS REST OF THE WORLD

+357 96 030922
info@marketpublishers.com

5 MARKET ANALYSIS BY TYPE

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

9 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 INDUSTRY CHAIN ANALYSIS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Liquid-cooled EV Charging Cable Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/G2410B8A3BE0EN.html

Price: US$ 4,480.00 (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/G2410B8A3BE0EN.html