+357 96 030922
info@marketpublishers.com

Superconducting Power Cables Market Size, Share & Trends Analysis Report By Type (LTS, HTS, MTS), By End-user (Energy, Healthcare, Transportation, Research), By Region (North America, Europe, Asia Pacific), And Segment Forecasts, 2026 - 2033

https://marketpublishers.com/r/SB361BAC23D9EN.html
Date: September 2026
Pages: 120
Price: US$ 5,950.00 (Single User License)
ID: SB361BAC23D9EN

Abstracts

The global superconducting power cables market size was valued at USD 2.9 billion in 2025 and is projected to grow from USD 3.0 billion in 2026 to USD 5.5 billion by 2033, at a CAGR of 8.8% from 2026 to 2033. Asia Pacific dominated the market, accounting for the largest market share of 40.2% in 2025. The market is driven by rising electricity demand, increasing renewable energy integration, grid modernization, and the need for high capacity, low loss power transmission.

Growing grid congestion and limited transmission corridors are further increasing demand for superconducting cables, which can transmit higher power through constrained spaces while reducing transmission losses.

Global Superconducting Power Cables Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the global superconducting power cables market report based on type, end-user, and region:

Type Outlook (Revenue, USD Billion, 2021 - 2033)

LTS (Low-temperature superconductors)

+357 96 030922
info@marketpublishers.com

- HTS (High-temperature superconductors)
- MTS (Medium-temperature superconductors)

End-user Outlook (Revenue, USD Billion, 2021 - 2033)

- Energy
- Healthcare
- Transportation
- Research
- Other End-user

Regional Outlook (Revenue, USD Billion, 2021 - 2033)

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- UK
- France
- Italy
- Spain

+357 96 030922
info@marketpublishers.com

Asia Pacific

China

India

Japan

South Korea

Australia

Latin America

Brazil

Argentina

Middle East & Africa

Saudi Arabia

UAE

South Africa

This report can be delivered to the clients within 3 Business Days

+357 96 030922
info@marketpublishers.com

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

1.1. Market Segmentation & Scope
1.2. Market Definition
1.3. Information Procurement
  1.3.1. Information Analysis
  1.3.2. Market Formulation & Data Visualization
  1.3.3. Data Validation & Publishing
1.4. Research Scope and Assumptions
  1.4.1. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

2.1. Market Snapshot
2.2. Segmental Outlook
2.3. Competitive Outlook

CHAPTER 3. MARKET VARIABLES, TRENDS, AND SCOPE

3.1. Market Outlook
  3.1.1. Scenario-based Insights of the Superconducting Power Cables Market
3.2. Value Chain Analysis
3.3. Regulatory Framework
  3.3.1. Standards & Compliance
  3.3.2. Regulatory Impact Analysis
3.4. Industry Landscape
  3.4.1. Grid Modernization & Transmission Expansion Trends
  3.4.2. Renewable Energy Integration Trends
  3.4.3. Urban Grid Congestion & High Capacity Transmission Trends
  3.4.4. Superconducting Cable Demonstration & Commercialization Trends
3.5. Market Dynamics
  3.5.1. Market Driver Analysis
  3.5.2. Market Restraint Analysis
  3.5.3. Industry Trends
3.6. Porter’s Five Forces Analysis
  3.6.1. Bargaining Power of Suppliers
  3.6.2. Bargaining Power of Buyers

+357 96 030922
info@marketpublishers.com

3.6.3. Threat of Substitution
3.6.4. Threat of New Entrants
3.6.5. Competitive Rivalry
3.7. PESTLE Analysis
3.7.1. Political
3.7.2. Economic
3.7.3. Social Landscape
3.7.4. Technology
3.7.5. Environmental
3.7.6. Legal

CHAPTER 4. SUPERCONDUCTING POWER CABLES MARKET: TYPE ESTIMATES & TREND ANALYSIS

4.1. Superconducting Power Cables Market: Type Movement Analysis, 2025 & 2033
4.2. LTS (Low-temperature superconductors)
4.2.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
4.3. HTS (High-temperature superconductors)
4.3.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
4.4. MTS (Medium-temperature superconductors)
4.4.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)

CHAPTER 5. SUPERCONDUCTING POWER CABLES MARKET: END USER ESTIMATES & TREND ANALYSIS

5.1. Superconducting Power Cables Market: End User Movement Analysis, 2025 & 2033
5.2. Energy
5.2.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
5.3. Healthcare
5.3.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
5.4. Transportation
5.4.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
5.5. Research
5.5.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
5.6. Other End Uses
5.6.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)

CHAPTER 6. SUPERCONDUCTING POWER CABLES MARKET: REGIONAL

+357 96 030922
info@marketpublishers.com

ESTIMATES & TREND ANALYSIS

6.1. Regional Analysis, 2025 & 2033
6.2. North America
6.2.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.2.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.2.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.2.4. U.S.
6.2.4.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.2.4.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.2.4.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.2.5. Canada
6.2.5.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.2.5.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.2.5.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.2.6. Mexico
6.2.6.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.2.6.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.2.6.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.3. Europe
6.3.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.3.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.3.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.3.4. Germany
6.3.4.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.3.4.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.3.4.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.3.5. UK
6.3.5.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.3.5.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.3.5.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.3.6. France
6.3.6.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.3.6.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.3.6.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.3.7. Italy
6.3.7.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.3.7.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.3.7.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)

+357 96 030922
info@marketpublishers.com

6.3.8. Spain
6.3.8.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.3.8.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.3.8.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.4. Asia Pacific
6.4.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.4.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.4.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.4.4. China
6.4.4.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.4.4.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.4.4.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.4.5. India
6.4.5.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.4.5.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.4.5.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.4.6. Japan
6.4.6.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.4.6.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.4.6.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.4.7. South Korea
6.4.7.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.4.7.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.4.7.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.4.8. Australia
6.4.8.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.4.8.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.4.8.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.5. Latin America
6.5.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.5.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.5.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.5.4. Brazil
6.5.4.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.5.4.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.5.4.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.5.5. Argentina
6.5.5.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.5.5.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)

+357 96 030922
info@marketpublishers.com

6.5.5.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.6. Middle East & Africa
6.6.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.6.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.6.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.6.4. South Africa
6.6.4.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.6.4.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.6.4.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.6.5. Saudi Arabia
6.6.5.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.6.5.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.6.5.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)
6.6.6. UAE
6.6.6.1. Market estimates and forecasts, 2021 - 2033 (USD Billion)
6.6.6.2. Market estimates and forecasts, by type, 2021 - 2033 (USD Billion)
6.6.6.3. Market estimates and forecasts, by end user, 2021 - 2033 (USD Billion)

CHAPTER 7. COMPETITIVE LANDSCAPE

7.1. Recent Developments By Key Market Participants
7.2. Kraljic Matrix
7.3. Company Categorization
7.4. Company Market Share Analysis, 2025
7.5. Heat Map Analysis
7.6. Vendor Landscape
7.6.1. Superconducting Power Cable Manufacturers
7.6.2. HTS Conductor & Material Suppliers
7.6.3. Cryogenic Cooling System Providers
7.6.4. Cable System Components & Accessories Providers
7.7. List of Buyers
7.7.1. Buyer Type
7.7.2. Industry
7.7.3. Region
7.7.4. Headquarter Address
7.7.5. Contact Information
7.8. Strategy Mapping

CHAPTER 8. COMPANY PROFILES/LISTING (OVERVIEW, FINANCIALS,

+357 96 030922
info@marketpublishers.com

PRODUCT/SERVICE PORTFOLIO)

8.1. American Superconductor Corporation
8.2. Furukawa Electric Co., Ltd.
8.3. LS Cable & System Ltd.
8.4. Nexans
8.5. NKT A/S
8.6. Shanghai Superconductor Technology Co., Ltd.
8.7. Southwire Company, LLC.
8.8. Sumitomo Electric Industries, Ltd.
8.9. SuperNode
8.10. THEVA D?nnschichttechnik GmbH

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1 Superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 2 Superconducting power cables market estimates & forecasts, by LTS (Low-temperature superconductors), 2021 - 2033 (USD Billion)
Table 3 Superconducting power cables market estimates & forecasts, by HTS (High-temperature superconductors), 2021 - 2033 (USD Billion)
Table 4 Superconducting power cables market estimates & forecasts, by MTS (Medium-temperature superconductors), 2021 - 2033 (USD Billion)
Table 5 Superconducting power cables market estimates & forecasts, by energy, 2021 - 2033 (USD Billion)
Table 6 Superconducting power cables market estimates & forecasts, by healthcare, 2021 - 2033 (USD Billion)
Table 7 Superconducting power cables market estimates & forecasts, by transportation, 2021 - 2033 (USD Billion)
Table 8 Superconducting power cables market estimates & forecasts, by research, 2021 - 2033 (USD Billion)
Table 9 Superconducting power cables market estimates & forecasts, by other end uses, 2021 - 2033 (USD Billion)
Table 10 North America superconducting power cables market estimates & forecast, 2021 - 2033 (USD Billion)
Table 11 North America superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 12 North America superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 13 U.S. superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 14 U.S. superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 15 U.S. superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 16 Canada superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 17 Canada superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 18 Canada superconducting power cables market estimates & forecasts by end

+357 96 030922
info@marketpublishers.com

user, 2021 - 2033 (USD Billion)
Table 19 Mexico superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 20 Mexico superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 21 Mexico superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 22 Asia Pacific superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 23 Asia Pacific superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 24 Asia Pacific superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 25 China superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 26 China superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 27 China superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 28 India superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 29 India superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 30 Japan superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 31 Japan superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 32 Japan superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 33 South Korea superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 34 South Korea superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 35 South Korea superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 36 Australia superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 37 Australia superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)

+357 96 030922
info@marketpublishers.com

Table 38 Australia superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 39 Europe superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 40 Europe superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 41 Europe superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 42 UK superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 43 UK superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 44 UK superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 45 Germany superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 46 Germany superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 47 Germany superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 48 France superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 49 France superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 50 France superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 51 Italy superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 52 Italy superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 53 Italy superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 54 Spain superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 55 Spain superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 56 Spain superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 57 Latin America superconducting power cables market estimates & forecasts,

+357 96 030922
info@marketpublishers.com

2021 - 2033 (USD Billion)
Table 58 Latin America superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 59 Latin America superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 60 Brazil superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 61 Brazil superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 62 Brazil superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 63 Argentina superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 64 Argentina superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 65 Argentina superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 66 Middle East & Africa superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 67 Middle East & Africa superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 68 Middle East & Africa superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 69 UAE superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 70 UAE superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 71 UAE superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 72 Saudi Arabia superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 73 Saudi Arabia superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)
Table 74 Saudi Arabia superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)
Table 75 South Africa superconducting power cables market estimates & forecasts, 2021 - 2033 (USD Billion)
Table 76 South Africa superconducting power cables market estimates & forecasts by type, 2021 - 2033 (USD Billion)

+357 96 030922
info@marketpublishers.com

Table 77 South Africa superconducting power cables market estimates & forecasts by end user, 2021 - 2033 (USD Billion)

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Fig. 1 Market segmentation
Fig. 2 Information procurement
Fig. 3 Data analysis models
Fig. 4 Market formulation and validation
Fig. 5 Data validating & publishing
Fig. 6 Market snapshot
Fig. 7 Segmental outlook - Type & End User
Fig. 8 Competitive Outlook
Fig. 9 Superconducting power cables market outlook, 2021 - 2033 (USD Billion)
Fig. 10 Value chain analysis
Fig. 11 Market dynamics
Fig. 12 Porter’s Analysis
Fig. 13 PESTEL Analysis
Fig. 14 Superconducting power cables market, by type: Key takeaways
Fig. 15 Superconducting power cables market, by type: Key takeaways
Fig. 16 Superconducting power cables market, by end user: Key takeaways
Fig. 17 Superconducting power cables market, by end user: Market share, 2025 & 2033
Fig. 18 Superconducting power cables market: Regional analysis, 2025 & 2033
Fig. 19 Superconducting power cables market, by region: Key takeaways

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Superconducting Power Cables Market Size, Share & Trends Analysis Report By Type (LTS, HTS, MTS), By End-user (Energy, Healthcare, Transportation, Research), By Region (North America, Europe, Asia Pacific), And Segment Forecasts, 2026 - 2033

Product link: https://marketpublishers.com/r/SB361BAC23D9EN.html

Price: US$ 5,950.00 (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/SB361BAC23D9EN.html