

Global AI Data Center Active Electrical Cable Connectors Market Growth 2025-2031

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Abstracts

The global AI Data Center Active Electrical Cable Connectors market size is predicted to grow from US\$ 173 million in 2025 to US\$ 255 million in 2031; it is expected to grow at a CAGR of 6.6% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

AI Data Center Active Electrical Cable (AEC) connectors are high-speed, pluggable electrical interfaces found at each end of AECs—specialized copper cables with built-in signal processing electronics (e.g., retimers or re-drivers). These connectors enable reliable, low-latency, high-bandwidth connections between servers, switches, accelerators, and storage devices within AI data centers.

United States market for AI Data Center Active Electrical Cable Connectors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for AI Data Center Active Electrical Cable Connectors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for AI Data Center Active Electrical Cable Connectors is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key AI Data Center Active Electrical Cable Connectors players cover Molex, Amphenol, TE Connectivity, Foxconn Interconnect Technology, Suzhou Recodeal Interconnect System, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “AI Data Center Active Electrical Cable Connectors Industry Forecast” looks at past sales and reviews total world AI Data Center Active Electrical Cable Connectors sales in 2024, providing a comprehensive analysis by region and market sector of projected AI Data Center Active Electrical Cable Connectors sales for 2025 through 2031. With AI Data Center Active Electrical Cable Connectors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world AI Data Center Active Electrical Cable Connectors industry.

This Insight Report provides a comprehensive analysis of the global AI Data Center Active Electrical Cable Connectors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on AI Data Center Active Electrical Cable Connectors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global AI Data Center Active Electrical Cable Connectors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for AI Data Center Active Electrical Cable Connectors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global AI Data Center Active Electrical Cable Connectors.

This report presents a comprehensive overview, market shares, and growth opportunities of AI Data Center Active Electrical Cable Connectors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

200G

400G

800G

Other

Segmentation by Application:

AI

High Performance Computing (HPC)

Communication

Smart Manufacturing

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Molex

Amphenol

TE Connectivity

Foxconn Interconnect Technology

Suzhou Recodeal Interconnect System

Sichuan Huafeng Technology

AVIC Jonhon Optronics Technology

Luxshare Precision Industry

Dongguan Dingtong Precision Metal

Key Questions Addressed in this Report

What is the 10-year outlook for the global AI Data Center Active Electrical Cable Connectors market?

What factors are driving AI Data Center Active Electrical Cable Connectors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do AI Data Center Active Electrical Cable Connectors market opportunities vary by end market size?

How does AI Data Center Active Electrical Cable Connectors break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global AI Data Center Active Electrical Cable Connectors Annual Sales 2020-2031
- 2.1.2 World Current & Future Analysis for AI Data Center Active Electrical Cable Connectors by Geographic Region, 2020, 2024 & 2031
- 2.1.3 World Current & Future Analysis for AI Data Center Active Electrical Cable Connectors by Country/Region, 2020, 2024 & 2031

2.2 AI Data Center Active Electrical Cable Connectors Segment by Type

- 2.2.1 200G
- 2.2.2 400G
- 2.2.3 800G
- 2.2.4 Other

2.3 AI Data Center Active Electrical Cable Connectors Sales by Type

- 2.3.1 Global AI Data Center Active Electrical Cable Connectors Sales Market Share by Type (2020-2025)
- 2.3.2 Global AI Data Center Active Electrical Cable Connectors Revenue and Market Share by Type (2020-2025)
- 2.3.3 Global AI Data Center Active Electrical Cable Connectors Sale Price by Type (2020-2025)

2.4 AI Data Center Active Electrical Cable Connectors Segment by Application

- 2.4.1 AI
- 2.4.2 High Performance Computing (HPC)
- 2.4.3 Communication
- 2.4.4 Smart Manufacturing

2.4.5 Others

2.5 AI Data Center Active Electrical Cable Connectors Sales by Application

2.5.1 Global AI Data Center Active Electrical Cable Connectors Sale Market Share by Application (2020-2025)

2.5.2 Global AI Data Center Active Electrical Cable Connectors Revenue and Market Share by Application (2020-2025)

2.5.3 Global AI Data Center Active Electrical Cable Connectors Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global AI Data Center Active Electrical Cable Connectors Breakdown Data by Company

3.1.1 Global AI Data Center Active Electrical Cable Connectors Annual Sales by Company (2020-2025)

3.1.2 Global AI Data Center Active Electrical Cable Connectors Sales Market Share by Company (2020-2025)

3.2 Global AI Data Center Active Electrical Cable Connectors Annual Revenue by Company (2020-2025)

3.2.1 Global AI Data Center Active Electrical Cable Connectors Revenue by Company (2020-2025)

3.2.2 Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Company (2020-2025)

3.3 Global AI Data Center Active Electrical Cable Connectors Sale Price by Company

3.4 Key Manufacturers AI Data Center Active Electrical Cable Connectors Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers AI Data Center Active Electrical Cable Connectors Product Location Distribution

3.4.2 Players AI Data Center Active Electrical Cable Connectors Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR AI DATA CENTER ACTIVE ELECTRICAL CABLE CONNECTORS BY GEOGRAPHIC REGION

4.1 World Historic AI Data Center Active Electrical Cable Connectors Market Size by

Geographic Region (2020-2025)

4.1.1 Global AI Data Center Active Electrical Cable Connectors Annual Sales by Geographic Region (2020-2025)

4.1.2 Global AI Data Center Active Electrical Cable Connectors Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic AI Data Center Active Electrical Cable Connectors Market Size by Country/Region (2020-2025)

4.2.1 Global AI Data Center Active Electrical Cable Connectors Annual Sales by Country/Region (2020-2025)

4.2.2 Global AI Data Center Active Electrical Cable Connectors Annual Revenue by Country/Region (2020-2025)

4.3 Americas AI Data Center Active Electrical Cable Connectors Sales Growth

4.4 APAC AI Data Center Active Electrical Cable Connectors Sales Growth

4.5 Europe AI Data Center Active Electrical Cable Connectors Sales Growth

4.6 Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales Growth

5 AMERICAS

5.1 Americas AI Data Center Active Electrical Cable Connectors Sales by Country

5.1.1 Americas AI Data Center Active Electrical Cable Connectors Sales by Country (2020-2025)

5.1.2 Americas AI Data Center Active Electrical Cable Connectors Revenue by Country (2020-2025)

5.2 Americas AI Data Center Active Electrical Cable Connectors Sales by Type (2020-2025)

5.3 Americas AI Data Center Active Electrical Cable Connectors Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC AI Data Center Active Electrical Cable Connectors Sales by Region

6.1.1 APAC AI Data Center Active Electrical Cable Connectors Sales by Region (2020-2025)

6.1.2 APAC AI Data Center Active Electrical Cable Connectors Revenue by Region

(2020-2025)

6.2 APAC AI Data Center Active Electrical Cable Connectors Sales by Type

(2020-2025)

6.3 APAC AI Data Center Active Electrical Cable Connectors Sales by Application

(2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe AI Data Center Active Electrical Cable Connectors by Country

7.1.1 Europe AI Data Center Active Electrical Cable Connectors Sales by Country
(2020-2025)

7.1.2 Europe AI Data Center Active Electrical Cable Connectors Revenue by Country
(2020-2025)

7.2 Europe AI Data Center Active Electrical Cable Connectors Sales by Type
(2020-2025)

7.3 Europe AI Data Center Active Electrical Cable Connectors Sales by Application
(2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa AI Data Center Active Electrical Cable Connectors by Country

8.1.1 Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales by
Country (2020-2025)

8.1.2 Middle East & Africa AI Data Center Active Electrical Cable Connectors Revenue
by Country (2020-2025)

8.2 Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales by
Type (2020-2025)

8.3 Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of AI Data Center Active Electrical Cable Connectors

10.3 Manufacturing Process Analysis of AI Data Center Active Electrical Cable Connectors

10.4 Industry Chain Structure of AI Data Center Active Electrical Cable Connectors

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 AI Data Center Active Electrical Cable Connectors Distributors

11.3 AI Data Center Active Electrical Cable Connectors Customer

12 WORLD FORECAST REVIEW FOR AI DATA CENTER ACTIVE ELECTRICAL CABLE CONNECTORS BY GEOGRAPHIC REGION

12.1 Global AI Data Center Active Electrical Cable Connectors Market Size Forecast by Region

12.1.1 Global AI Data Center Active Electrical Cable Connectors Forecast by Region (2026-2031)

12.1.2 Global AI Data Center Active Electrical Cable Connectors Annual Revenue

Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global AI Data Center Active Electrical Cable Connectors Forecast by Type (2026-2031)

12.7 Global AI Data Center Active Electrical Cable Connectors Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Molex

13.1.1 Molex Company Information

13.1.2 Molex AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

13.1.3 Molex AI Data Center Active Electrical Cable Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 Molex Main Business Overview

13.1.5 Molex Latest Developments

13.2 Amphenol

13.2.1 Amphenol Company Information

13.2.2 Amphenol AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

13.2.3 Amphenol AI Data Center Active Electrical Cable Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 Amphenol Main Business Overview

13.2.5 Amphenol Latest Developments

13.3 TE Connectivity

13.3.1 TE Connectivity Company Information

13.3.2 TE Connectivity AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

13.3.3 TE Connectivity AI Data Center Active Electrical Cable Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 TE Connectivity Main Business Overview

13.3.5 TE Connectivity Latest Developments

13.4 Foxconn Interconnect Technology

13.4.1 Foxconn Interconnect Technology Company Information

13.4.2 Foxconn Interconnect Technology AI Data Center Active Electrical Cable

Connectors Product Portfolios and Specifications

13.4.3 Foxconn Interconnect Technology AI Data Center Active Electrical Cable

Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 Foxconn Interconnect Technology Main Business Overview

13.4.5 Foxconn Interconnect Technology Latest Developments

13.5 Suzhou Recodeal Interconnect System

13.5.1 Suzhou Recodeal Interconnect System Company Information

13.5.2 Suzhou Recodeal Interconnect System AI Data Center Active Electrical Cable

Connectors Product Portfolios and Specifications

13.5.3 Suzhou Recodeal Interconnect System AI Data Center Active Electrical Cable

Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 Suzhou Recodeal Interconnect System Main Business Overview

13.5.5 Suzhou Recodeal Interconnect System Latest Developments

13.6 Sichuan Huafeng Technology

13.6.1 Sichuan Huafeng Technology Company Information

13.6.2 Sichuan Huafeng Technology AI Data Center Active Electrical Cable

Connectors Product Portfolios and Specifications

13.6.3 Sichuan Huafeng Technology AI Data Center Active Electrical Cable

Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Sichuan Huafeng Technology Main Business Overview

13.6.5 Sichuan Huafeng Technology Latest Developments

13.7 AVIC Jonhon Optronic Technology

13.7.1 AVIC Jonhon Optronic Technology Company Information

13.7.2 AVIC Jonhon Optronic Technology AI Data Center Active Electrical Cable

Connectors Product Portfolios and Specifications

13.7.3 AVIC Jonhon Optronic Technology AI Data Center Active Electrical Cable

Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 AVIC Jonhon Optronic Technology Main Business Overview

13.7.5 AVIC Jonhon Optronic Technology Latest Developments

13.8 Luxshare Precision Industry

13.8.1 Luxshare Precision Industry Company Information

13.8.2 Luxshare Precision Industry AI Data Center Active Electrical Cable Connectors

Product Portfolios and Specifications

13.8.3 Luxshare Precision Industry AI Data Center Active Electrical Cable Connectors

Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.8.4 Luxshare Precision Industry Main Business Overview

13.8.5 Luxshare Precision Industry Latest Developments

13.9 Dongguan Dingtong Precision Metal

13.9.1 Dongguan Dingtong Precision Metal Company Information

13.9.2 Dongguan Dingtong Precision Metal AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

13.9.3 Dongguan Dingtong Precision Metal AI Data Center Active Electrical Cable Connectors Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Dongguan Dingtong Precision Metal Main Business Overview

13.9.5 Dongguan Dingtong Precision Metal Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. AI Data Center Active Electrical Cable Connectors Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. AI Data Center Active Electrical Cable Connectors Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of 200G

Table 4. Major Players of 400G

Table 5. Major Players of 800G

Table 6. Major Players of Other

Table 7. Global AI Data Center Active Electrical Cable Connectors Sales by Type (2020-2025) & (K Units)

Table 8. Global AI Data Center Active Electrical Cable Connectors Sales Market Share by Type (2020-2025)

Table 9. Global AI Data Center Active Electrical Cable Connectors Revenue by Type (2020-2025) & (\$ million)

Table 10. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Type (2020-2025)

Table 11. Global AI Data Center Active Electrical Cable Connectors Sale Price by Type (2020-2025) & (US\$/Unit)

Table 12. Global AI Data Center Active Electrical Cable Connectors Sale by Application (2020-2025) & (K Units)

Table 13. Global AI Data Center Active Electrical Cable Connectors Sale Market Share by Application (2020-2025)

Table 14. Global AI Data Center Active Electrical Cable Connectors Revenue by Application (2020-2025) & (\$ million)

Table 15. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Application (2020-2025)

Table 16. Global AI Data Center Active Electrical Cable Connectors Sale Price by Application (2020-2025) & (US\$/Unit)

Table 17. Global AI Data Center Active Electrical Cable Connectors Sales by Company (2020-2025) & (K Units)

Table 18. Global AI Data Center Active Electrical Cable Connectors Sales Market Share by Company (2020-2025)

Table 19. Global AI Data Center Active Electrical Cable Connectors Revenue by Company (2020-2025) & (\$ millions)

Table 20. Global AI Data Center Active Electrical Cable Connectors Revenue Market

Share by Company (2020-2025)

Table 21. Global AI Data Center Active Electrical Cable Connectors Sale Price by Company (2020-2025) & (US\$/Unit)

Table 22. Key Manufacturers AI Data Center Active Electrical Cable Connectors Producing Area Distribution and Sales Area

Table 23. Players AI Data Center Active Electrical Cable Connectors Products Offered

Table 24. AI Data Center Active Electrical Cable Connectors Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 25. New Products and Potential Entrants

Table 26. Market M&A Activity & Strategy

Table 27. Global AI Data Center Active Electrical Cable Connectors Sales by Geographic Region (2020-2025) & (K Units)

Table 28. Global AI Data Center Active Electrical Cable Connectors Sales Market Share Geographic Region (2020-2025)

Table 29. Global AI Data Center Active Electrical Cable Connectors Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 30. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Geographic Region (2020-2025)

Table 31. Global AI Data Center Active Electrical Cable Connectors Sales by Country/Region (2020-2025) & (K Units)

Table 32. Global AI Data Center Active Electrical Cable Connectors Sales Market Share by Country/Region (2020-2025)

Table 33. Global AI Data Center Active Electrical Cable Connectors Revenue by Country/Region (2020-2025) & (\$ millions)

Table 34. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Country/Region (2020-2025)

Table 35. Americas AI Data Center Active Electrical Cable Connectors Sales by Country (2020-2025) & (K Units)

Table 36. Americas AI Data Center Active Electrical Cable Connectors Sales Market Share by Country (2020-2025)

Table 37. Americas AI Data Center Active Electrical Cable Connectors Revenue by Country (2020-2025) & (\$ millions)

Table 38. Americas AI Data Center Active Electrical Cable Connectors Sales by Type (2020-2025) & (K Units)

Table 39. Americas AI Data Center Active Electrical Cable Connectors Sales by Application (2020-2025) & (K Units)

Table 40. APAC AI Data Center Active Electrical Cable Connectors Sales by Region (2020-2025) & (K Units)

Table 41. APAC AI Data Center Active Electrical Cable Connectors Sales Market Share

by Region (2020-2025)

Table 42. APAC AI Data Center Active Electrical Cable Connectors Revenue by Region (2020-2025) & (\$ millions)

Table 43. APAC AI Data Center Active Electrical Cable Connectors Sales by Type (2020-2025) & (K Units)

Table 44. APAC AI Data Center Active Electrical Cable Connectors Sales by Application (2020-2025) & (K Units)

Table 45. Europe AI Data Center Active Electrical Cable Connectors Sales by Country (2020-2025) & (K Units)

Table 46. Europe AI Data Center Active Electrical Cable Connectors Revenue by Country (2020-2025) & (\$ millions)

Table 47. Europe AI Data Center Active Electrical Cable Connectors Sales by Type (2020-2025) & (K Units)

Table 48. Europe AI Data Center Active Electrical Cable Connectors Sales by Application (2020-2025) & (K Units)

Table 49. Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales by Country (2020-2025) & (K Units)

Table 50. Middle East & Africa AI Data Center Active Electrical Cable Connectors Revenue Market Share by Country (2020-2025)

Table 51. Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales by Type (2020-2025) & (K Units)

Table 52. Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales by Application (2020-2025) & (K Units)

Table 53. Key Market Drivers & Growth Opportunities of AI Data Center Active Electrical Cable Connectors

Table 54. Key Market Challenges & Risks of AI Data Center Active Electrical Cable Connectors

Table 55. Key Industry Trends of AI Data Center Active Electrical Cable Connectors

Table 56. AI Data Center Active Electrical Cable Connectors Raw Material

Table 57. Key Suppliers of Raw Materials

Table 58. AI Data Center Active Electrical Cable Connectors Distributors List

Table 59. AI Data Center Active Electrical Cable Connectors Customer List

Table 60. Global AI Data Center Active Electrical Cable Connectors Sales Forecast by Region (2026-2031) & (K Units)

Table 61. Global AI Data Center Active Electrical Cable Connectors Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 62. Americas AI Data Center Active Electrical Cable Connectors Sales Forecast by Country (2026-2031) & (K Units)

Table 63. Americas AI Data Center Active Electrical Cable Connectors Annual Revenue

Forecast by Country (2026-2031) & (\$ millions)

Table 64. APAC AI Data Center Active Electrical Cable Connectors Sales Forecast by Region (2026-2031) & (K Units)

Table 65. APAC AI Data Center Active Electrical Cable Connectors Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 66. Europe AI Data Center Active Electrical Cable Connectors Sales Forecast by Country (2026-2031) & (K Units)

Table 67. Europe AI Data Center Active Electrical Cable Connectors Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales Forecast by Country (2026-2031) & (K Units)

Table 69. Middle East & Africa AI Data Center Active Electrical Cable Connectors Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 70. Global AI Data Center Active Electrical Cable Connectors Sales Forecast by Type (2026-2031) & (K Units)

Table 71. Global AI Data Center Active Electrical Cable Connectors Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 72. Global AI Data Center Active Electrical Cable Connectors Sales Forecast by Application (2026-2031) & (K Units)

Table 73. Global AI Data Center Active Electrical Cable Connectors Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 74. Molex Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 75. Molex AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 76. Molex AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 77. Molex Main Business

Table 78. Molex Latest Developments

Table 79. Amphenol Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 80. Amphenol AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 81. Amphenol AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 82. Amphenol Main Business

Table 83. Amphenol Latest Developments

Table 84. TE Connectivity Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 85. TE Connectivity AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 86. TE Connectivity AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 87. TE Connectivity Main Business

Table 88. TE Connectivity Latest Developments

Table 89. Foxconn Interconnect Technology Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 90. Foxconn Interconnect Technology AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 91. Foxconn Interconnect Technology AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 92. Foxconn Interconnect Technology Main Business

Table 93. Foxconn Interconnect Technology Latest Developments

Table 94. Suzhou Recodeal Interconnect System Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 95. Suzhou Recodeal Interconnect System AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 96. Suzhou Recodeal Interconnect System AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 97. Suzhou Recodeal Interconnect System Main Business

Table 98. Suzhou Recodeal Interconnect System Latest Developments

Table 99. Sichuan Huafeng Technology Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 100. Sichuan Huafeng Technology AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 101. Sichuan Huafeng Technology AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 102. Sichuan Huafeng Technology Main Business

Table 103. Sichuan Huafeng Technology Latest Developments

Table 104. AVIC Jonhon Optronic Technology Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 105. AVIC Jonhon Optronic Technology AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 106. AVIC Jonhon Optronic Technology AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin

(2020-2025)

Table 107. AVIC Jonhon Optronic Technology Main Business

Table 108. AVIC Jonhon Optronic Technology Latest Developments

Table 109. Luxshare Precision Industry Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 110. Luxshare Precision Industry AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 111. Luxshare Precision Industry AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 112. Luxshare Precision Industry Main Business

Table 113. Luxshare Precision Industry Latest Developments

Table 114. Dongguan Dingtong Precision Metal Basic Information, AI Data Center Active Electrical Cable Connectors Manufacturing Base, Sales Area and Its Competitors

Table 115. Dongguan Dingtong Precision Metal AI Data Center Active Electrical Cable Connectors Product Portfolios and Specifications

Table 116. Dongguan Dingtong Precision Metal AI Data Center Active Electrical Cable Connectors Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 117. Dongguan Dingtong Precision Metal Main Business

Table 118. Dongguan Dingtong Precision Metal Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of AI Data Center Active Electrical Cable Connectors
- Figure 2. AI Data Center Active Electrical Cable Connectors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global AI Data Center Active Electrical Cable Connectors Sales Growth Rate 2020-2031 (K Units)
- Figure 7. Global AI Data Center Active Electrical Cable Connectors Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. AI Data Center Active Electrical Cable Connectors Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. AI Data Center Active Electrical Cable Connectors Sales Market Share by Country/Region (2024)
- Figure 10. AI Data Center Active Electrical Cable Connectors Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of 200G
- Figure 12. Product Picture of 400G
- Figure 13. Product Picture of 800G
- Figure 14. Product Picture of Other
- Figure 15. Global AI Data Center Active Electrical Cable Connectors Sales Market Share by Type in 2025
- Figure 16. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Type (2020-2025)
- Figure 17. AI Data Center Active Electrical Cable Connectors Consumed in AI
- Figure 18. Global AI Data Center Active Electrical Cable Connectors Market: AI (2020-2025) & (K Units)
- Figure 19. AI Data Center Active Electrical Cable Connectors Consumed in High Performance Computing (HPC)
- Figure 20. Global AI Data Center Active Electrical Cable Connectors Market: High Performance Computing (HPC) (2020-2025) & (K Units)
- Figure 21. AI Data Center Active Electrical Cable Connectors Consumed in Communication
- Figure 22. Global AI Data Center Active Electrical Cable Connectors Market: Communication (2020-2025) & (K Units)
- Figure 23. AI Data Center Active Electrical Cable Connectors Consumed in Smart

Manufacturing

Figure 24. Global AI Data Center Active Electrical Cable Connectors Market: Smart Manufacturing (2020-2025) & (K Units)

Figure 25. AI Data Center Active Electrical Cable Connectors Consumed in Others

Figure 26. Global AI Data Center Active Electrical Cable Connectors Market: Others (2020-2025) & (K Units)

Figure 27. Global AI Data Center Active Electrical Cable Connectors Sale Market Share by Application (2024)

Figure 28. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Application in 2025

Figure 29. AI Data Center Active Electrical Cable Connectors Sales by Company in 2025 (K Units)

Figure 30. Global AI Data Center Active Electrical Cable Connectors Sales Market Share by Company in 2025

Figure 31. AI Data Center Active Electrical Cable Connectors Revenue by Company in 2025 (\$ millions)

Figure 32. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Company in 2025

Figure 33. Global AI Data Center Active Electrical Cable Connectors Sales Market Share by Geographic Region (2020-2025)

Figure 34. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share by Geographic Region in 2025

Figure 35. Americas AI Data Center Active Electrical Cable Connectors Sales 2020-2025 (K Units)

Figure 36. Americas AI Data Center Active Electrical Cable Connectors Revenue 2020-2025 (\$ millions)

Figure 37. APAC AI Data Center Active Electrical Cable Connectors Sales 2020-2025 (K Units)

Figure 38. APAC AI Data Center Active Electrical Cable Connectors Revenue 2020-2025 (\$ millions)

Figure 39. Europe AI Data Center Active Electrical Cable Connectors Sales 2020-2025 (K Units)

Figure 40. Europe AI Data Center Active Electrical Cable Connectors Revenue 2020-2025 (\$ millions)

Figure 41. Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales 2020-2025 (K Units)

Figure 42. Middle East & Africa AI Data Center Active Electrical Cable Connectors Revenue 2020-2025 (\$ millions)

Figure 43. Americas AI Data Center Active Electrical Cable Connectors Sales Market

Share by Country in 2025

Figure 44. Americas AI Data Center Active Electrical Cable Connectors Revenue Market Share by Country (2020-2025)

Figure 45. Americas AI Data Center Active Electrical Cable Connectors Sales Market Share by Type (2020-2025)

Figure 46. Americas AI Data Center Active Electrical Cable Connectors Sales Market Share by Application (2020-2025)

Figure 47. United States AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 48. Canada AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 49. Mexico AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 50. Brazil AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 51. APAC AI Data Center Active Electrical Cable Connectors Sales Market Share by Region in 2025

Figure 52. APAC AI Data Center Active Electrical Cable Connectors Revenue Market Share by Region (2020-2025)

Figure 53. APAC AI Data Center Active Electrical Cable Connectors Sales Market Share by Type (2020-2025)

Figure 54. APAC AI Data Center Active Electrical Cable Connectors Sales Market Share by Application (2020-2025)

Figure 55. China AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 56. Japan AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 57. South Korea AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 58. Southeast Asia AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 59. India AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 60. Australia AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 61. China Taiwan AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 62. Europe AI Data Center Active Electrical Cable Connectors Sales Market Share by Country in 2025

Figure 63. Europe AI Data Center Active Electrical Cable Connectors Revenue Market Share by Country (2020-2025)

Figure 64. Europe AI Data Center Active Electrical Cable Connectors Sales Market Share by Type (2020-2025)

Figure 65. Europe AI Data Center Active Electrical Cable Connectors Sales Market Share by Application (2020-2025)

Figure 66. Germany AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 67. France AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 68. UK AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 69. Italy AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 70. Russia AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 71. Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales Market Share by Country (2020-2025)

Figure 72. Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales Market Share by Type (2020-2025)

Figure 73. Middle East & Africa AI Data Center Active Electrical Cable Connectors Sales Market Share by Application (2020-2025)

Figure 74. Egypt AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 75. South Africa AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 76. Israel AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 77. Turkey AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 78. GCC Countries AI Data Center Active Electrical Cable Connectors Revenue Growth 2020-2025 (\$ millions)

Figure 79. Manufacturing Cost Structure Analysis of AI Data Center Active Electrical Cable Connectors in 2025

Figure 80. Manufacturing Process Analysis of AI Data Center Active Electrical Cable Connectors

Figure 81. Industry Chain Structure of AI Data Center Active Electrical Cable Connectors

Figure 82. Channels of Distribution

Figure 83. Global AI Data Center Active Electrical Cable Connectors Sales Market Forecast by Region (2026-2031)

Figure 84. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share Forecast by Region (2026-2031)

Figure 85. Global AI Data Center Active Electrical Cable Connectors Sales Market Share Forecast by Type (2026-2031)

Figure 86. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share Forecast by Type (2026-2031)

Figure 87. Global AI Data Center Active Electrical Cable Connectors Sales Market Share Forecast by Application (2026-2031)

Figure 88. Global AI Data Center Active Electrical Cable Connectors Revenue Market Share Forecast by Application (2026-2031)

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