

Global Data Center Active Electrical Cable (AEC) Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Data Center Active Electrical Cable (AEC) market size is expected to reach \$ 3591 million by 2032, rising at a market growth of 21.5% CAGR during the forecast period (2026-2032).

Active Electrical Cable (AEC) for data centers is a high-speed copper interconnect solution that integrates active components like retimers in the connectors to amplify, equalize, and regenerate signals. This extends reliable transmission distances to 5-7 meters (or more) while maintaining low power consumption and cost, supporting rates up to 400G/800G. Compared to passive DAC cables, AEC offers better signal integrity and thinner, lighter cabling; versus AOC, it avoids optical-electrical conversion for lower power and expense. AEC is emerging as a preferred option for short-to-medium reach links in AI-driven data centers and cloud infrastructures, enabling distributed disaggregated chassis (DDC) architectures. In 2025, global Data Center Active Electrical Cable (AEC) production reached approximately 1600 K units, with an average global market price of around US\$ 504.5 per unit. The production capacity for Data Center Active Electrical Cable (AEC) in 2025 was approximately 1800 K units. The typical gross profit margin for Data Center Active Electrical Cable (AEC) is between 20% and 40%.

This report studies the global Data Center Active Electrical Cable (AEC) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center Active Electrical Cable (AEC) 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 Data Center

Active Electrical Cable (AEC) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Data Center Active Electrical Cable (AEC) total production and demand, 2021-2032, (K Units)

Global Data Center Active Electrical Cable (AEC) total production value, 2021-2032, (USD Million)

Global Data Center Active Electrical Cable (AEC) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Data Center Active Electrical Cable (AEC) consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Data Center Active Electrical Cable (AEC) domestic production, consumption, key domestic manufacturers and share

Global Data Center Active Electrical Cable (AEC) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Data Center Active Electrical Cable (AEC) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Data Center Active Electrical Cable (AEC) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Data Center Active Electrical Cable (AEC) 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 Molex, Amphenol, TE Connectivity, Volex, JPC Connectivity, Credo, Infraeo, Approved Networks (Legrand), Luxshare Precision, Zhaolong Interconnect, 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 Data Center Active Electrical Cable (AEC) 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 Data Center Active Electrical Cable (AEC) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Data Center Active Electrical Cable (AEC) Market, Segmentation by Type:

400G

Global Data Center Active Electrical Cable (AEC) Market, Segmentation by Interface Type:

QSFP28 AEC

QSFP56 AEC

QSFP112 / OSFP AEC

Others

Global Data Center Active Electrical Cable (AEC) Market, Segmentation by Application:

Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Enterprise Data Centers

Others

Companies Profiled:

Molex

Amphenol

TE Connectivity

Volex

JPC Connectivity

Credo

Infraeo

Approved Networks (Legrand)

Luxshare Precision

Zhaolong Interconnect

10Gtek

Broadex Technologies

C-FLINK Technology

Shenzhen HTD Information-Tech

Key Questions Answered:

1. How big is the global Data Center Active Electrical Cable (AEC) market?
2. What is the demand of the global Data Center Active Electrical Cable (AEC) market?
3. What is the year over year growth of the global Data Center Active Electrical Cable (AEC) market?
4. What is the production and production value of the global Data Center Active Electrical Cable (AEC) market?
5. Who are the key producers in the global Data Center Active Electrical Cable (AEC) market?
6. What are the growth factors driving the market demand?

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