

# Global AEC Active Cable for Data Centers Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global AEC Active Cable for Data Centers 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).

In 2025, global AEC Active Cable for Data Centers production reached approximately 1600.9 k units with an average global market price of around US\$ 504.5 per unit. The production capacity for AEC Active Cable for Data Centers in 2025 was approximately 1700 k units. The typical gross profit margin for AEC Active Cable for Data Centers is between 20% and 40%. AEC (Active Electrical Cable) is a high-speed copper interconnect solution for data centers that integrates active signal-conditioning components?such as equalizers, retimers, or DSPs?inside the cable connectors. By enhancing signal integrity, AEC extends the reach of copper cables beyond passive DAC limits while retaining advantages in power efficiency, latency, and cost. AEC is widely used for short- to medium-reach connections between servers, switches, and accelerators, supporting 400G, 800G, and future higher-speed interfaces.

The AEC market in data centers is expanding rapidly, driven by the deployment of AI servers, HPC systems, and 400G/800G switching architectures. Compared with optical transceivers and AOCs, AEC offers clear advantages in cost and power consumption for typical short- to mid-reach applications (approximately 2?7 meters), making it an attractive solution for intra-rack and adjacent-rack connectivity. Demand is primarily driven by hyperscale cloud service providers and large AI clusters, and the market is expected to grow steadily as SerDes speeds increase and copper interconnect technologies continue to advance.

This report studies the global AEC Active Cable for Data Centers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AEC Active Cable for Data Centers 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 AEC Active Cable for Data Centers that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

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

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

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

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

U.S. VS China: AEC Active Cable for Data Centers domestic production, consumption, key domestic manufacturers and share

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

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

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

This report profiles key players in the global AEC Active Cable for Data Centers 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 AEC Active Cable for Data Centers 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 AEC Active Cable for Data Centers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AEC Active Cable for Data Centers Market, Segmentation by Type:

QSFP28 AEC

QSFP56 AEC

QSFP112 / OSFP AEC

Others

Global AEC Active Cable for Data Centers Market, Segmentation by Cable Length:

Short-range AEC: 2?3 m

Medium-range AEC: 3?5 m

Long-range AEC: 5?7 m

Global AEC Active Cable for Data Centers Market, Segmentation by Channel Architecture:

400G

800G

### Global AEC Active Cable for Data Centers 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 AEC Active Cable for Data Centers market?
2. What is the demand of the global AEC Active Cable for Data Centers market?
3. What is the year over year growth of the global AEC Active Cable for Data Centers market?
4. What is the production and production value of the global AEC Active Cable for Data Centers market?
5. Who are the key producers in the global AEC Active Cable for Data Centers market?
6. What are the growth factors driving the market demand?

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