

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

<https://marketpublishers.com/r/G099699396A6EN.html>

Date: January 2026

Pages: 124

Price: US\$ 4,480.00 (Single User License)

ID: G099699396A6EN

## Abstracts

The global Active Electrical Cable (AEC) Technology 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) Technology, also known as active electrical cables, is an innovative high-speed interconnect solution primarily used in data centers. It employs copper cables integrated with active components such as retimers and clock data recovery (CDR) circuits to regenerate signals, remove noise, and extend transmission distances up to 7 meters while supporting rates like 400G, 800G, and beyond (up to 112G PAM-4 per lane). Compared to passive direct attach copper (DAC) cables, AECs offer superior signal integrity and longer reach; versus active optical cables (AOCs), they provide lower power consumption (up to 50-75% less), reduced costs, lighter weight, and better reliability, making them ideal for AI clusters, hyperscale data centers, and intra-rack/inter-rack connections. In 2025, global Active Electrical Cable (AEC) Technology production reached approximately 1600 K units, with an average global market price of around US\$ 504.5 per unit. The production capacity for Active Electrical Cable (AEC) Technology in 2025 was approximately 1800 K units. The typical gross profit margin for Active Electrical Cable (AEC) Technology is between 20% and 40%.

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

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

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

Highlights and key features of the study

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

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

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

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

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

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

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

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

This report profiles key players in the global Active Electrical Cable (AEC) Technology 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 Active Electrical Cable (AEC) Technology 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 Active Electrical Cable (AEC) Technology Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

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

400G

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

QSFP28 AEC

QSFP56 AEC

QSFP112 / OSFP AEC

Others

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

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