

# Global Active Electrical Cable (AEC) Technology Market Growth 2026-2032

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## Abstracts

The global Active Electrical Cable (AEC) Technology market size is predicted to grow from US\$ 790 million in 2025 to US\$ 3646 million in 2032; it is expected to grow at a CAGR of 22.8% from 2026 to 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%.

United States market for Active Electrical Cable (AEC) Technology is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Active Electrical Cable (AEC) Technology is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Active Electrical Cable (AEC) Technology is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Active Electrical Cable (AEC) Technology players cover Molex, Amphenol, TE Connectivity, Volex, JPC Connectivity, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Active Electrical Cable (AEC) Technology Industry Forecast" looks at past sales and reviews total world Active Electrical Cable (AEC) Technology sales in 2025, providing a comprehensive analysis by region and market sector of projected Active Electrical Cable (AEC) Technology sales for 2026 through 2032. With Active Electrical Cable (AEC) Technology sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Active Electrical Cable (AEC) Technology industry.

This Insight Report provides a comprehensive analysis of the global Active Electrical Cable (AEC) Technology 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 Active Electrical Cable (AEC) Technology portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Active Electrical Cable (AEC) Technology market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Active Electrical Cable (AEC) Technology 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 Active Electrical Cable (AEC) Technology.

This report presents a comprehensive overview, market shares, and growth opportunities of Active Electrical Cable (AEC) Technology market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

400G

Segmentation by Interface Type:

QSFP28 AEC

QSFP56 AEC

QSFP112 / OSFP AEC

Others

Segmentation by Application:

Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Enterprise Data Centers

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

Volex

JPC Connectivity

Credo

Infraeo

Approved Networks (Legrand)

Luxshare Precision

Zhaolong Interconnect

10Gtek

Broadex Technologies

C-FLINK Technology

Shenzhen HTD Information-Tech

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Active Electrical Cable (AEC) Technology market?

What factors are driving Active Electrical Cable (AEC) Technology market growth, globally and by region?

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

How do Active Electrical Cable (AEC) Technology market opportunities vary by end market size?

How does Active Electrical Cable (AEC) Technology break out by Type, by Application?

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