

# **South & Central America High Speed Cable Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Type [Direct Attach Copper (DAC) Cable, Active Optical Cables (AOC), Active Copper Cables, PCIe Cable, Active Electric Cable (AEC), and SAS Cable] and Application (Switch to Switch Interconnect, Switch to Server, and Server to Storage Interconnect)**

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## **Abstracts**

The South & Central America High Speed Cable Market is projected to grow significantly, reaching an estimated US\$ 1,433.0 million by 2031, up from US\$ 793.3 million in 2024. This growth represents a compound annual growth rate (CAGR) of 9.1% from 2025 to 2031, driven by several key factors.

One of the primary drivers of this market is the increasing demand for high-speed cables, which is largely fueled by the rising adoption of electric vehicles (EVs) in the region, particularly in Brazil. In 2023, Brazil's EV market saw a remarkable increase, with registrations nearly tripling to over 50,000 units, capturing a 3% share of the national automotive market. This surge in EV adoption is creating a heightened demand for advanced automotive and charging infrastructure, which in turn is propelling the high-speed cable market. High-speed cables are crucial for various functions within EVs, including power distribution, efficient battery management systems, and integration with intelligent driving technologies.

In addition to the automotive sector, the expansion of broadband coverage across urban

and rural areas is also contributing to the demand for high-speed cables. Government-backed digital infrastructure projects and increased foreign investment in telecommunications and renewable energy are further enhancing this growth. The development of smart transportation and energy systems is accelerating the need for advanced cabling technologies, which are essential for supporting the infrastructure required for these innovations.

The South & Central America High Speed Cable Market can be segmented by type and application. By type, the market includes Direct Attach Copper (DAC) Cable, Active Optical Cables (AOC), Active Copper Cables, PCIe Cable, Active Electric Cable (AEC), and SAS Cable. In 2024, Active Optical Cables (AOC) held the largest market share. By application, the market is divided into Switch to Switch Interconnect, Switch to Server, and Server to Storage Interconnect, with Switch to Switch Interconnect leading in market share in 2024.

Passive DACs, which are essentially premium copper wires without embedded electronics, are significantly less expensive than their counterparts that include advanced components. The advanced chipsets in AECs and VCSEL lasers in AOCs can increase costs by two to five times. DACs are particularly important in 5G networks for short-range connections, such as those found in O-RAN cell sites and edge data centers. These cables facilitate high-speed data transport with low latency and power consumption, making them ideal for the dense cells and high traffic of 5G networks. For example, passive QSFP28 DACs can support 100 Gb/s, while SFP28 DACs can support 25 Gb/s, which is essential for handling the high-speed Ethernet connections required in modern networks.

The deployment of 5G infrastructure is expected to further drive demand for high-speed cables, as countries across the globe continue to invest in 5G connectivity. This trend is likely to enhance the market for high-speed cables in South & Central America, as the need for robust and efficient data transport solutions grows.

Country-wise, the South & Central America High Speed Cable Market is segmented into Brazil, Argentina, and the Rest of South & Central America, with Brazil holding the largest market share in 2024. A significant development in Brazil's digital landscape is the commitment by Amazon Web Services (AWS) to invest 10.1 billion reais (approximately US\$ 1.8 billion) in expanding its data center operations in the country through 2034. This investment will focus on the expansion, construction, connection, operation, and maintenance of AWS data centers, which are crucial for meeting the increasing demand for cloud services. The expansion of AWS's infrastructure is

expected to significantly boost the need for high-speed, high-capacity cable networks, thereby benefiting the high-speed cable market in Brazil.

Key players in the High Speed Cable Market include Molex LLC, TE Connectivity Ltd, NVIDIA Corp, Samtec Inc, Axon Cable SAS, Amphenol Corporation, JPC Connectivity, Shenzhen Sopto Technology Co., Ltd., Volex Plc, and EDGE Optical Solutions. These companies are employing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their market presence and offer innovative products to consumers.

In summary, the South & Central America High Speed Cable Market is poised for substantial growth, driven by the rising demand for high-speed connectivity in various sectors, particularly in the context of EV adoption and the expansion of digital infrastructure.

## Contents

### **1. INTRODUCTION**

- 1.1 Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Secondary Research
- 3.2 Primary Research
  - 3.2.1 Hypothesis formulation:
  - 3.2.2 Macroeconomic factor analysis:
  - 3.2.3 Developing base number:
  - 3.2.4 Data Triangulation:
  - 3.2.5 Country-level data:

### **4. HIGH SPEED CABLE MARKET LANDSCAPE**

- 4.1 Market Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
  - 4.3.1 Raw Material Suppliers
  - 4.3.2 Manufacturers
  - 4.3.3 Distributors or Suppliers
  - 4.3.4 End-Use Industry
  - 4.3.5 List of Vendors in the Value Chain

### **5. SOUTH & CENTRAL AMERICA HIGH SPEED CABLE MARKET - KEY MARKET DYNAMICS**

- 5.1 Market Drivers
- 5.2 Market Restraints
- 5.3 Market Opportunities

5.4 Future Trends

5.5 Impact of Drivers and Restraints:

## **6. HIGH SPEED CABLE MARKET - SOUTH & CENTRAL AMERICA MARKET ANALYSIS**

6.1 South & Central America High Speed Cable Market Revenue (US\$ Million), 2024 - 2031

6.2 South & Central America High Speed Cable Market Forecast and Analysis

## **7. SOUTH & CENTRAL AMERICA HIGH SPEED CABLE MARKET REVENUE ANALYSIS - BY TYPE**

7.1 Direct Attach Copper (DAC) Cable

7.1.1 Overview

7.1.2 Direct Attach Copper (DAC) Cable: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.2 Active Optical Cables (AOC)

7.2.1 Overview

7.2.2 Active Optical Cables (AOC): South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.3 Active Copper Cables

7.3.1 Overview

7.3.2 Active Copper Cables: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.4 PCIe Cable

7.4.1 Overview

7.4.2 PCIe Cable: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.5 Active Electric Cable (AEC)

7.5.1 Overview

7.5.2 Active Electric Cable (AEC): South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

7.6 SAS Cable

7.6.1 Overview

7.6.2 SAS Cable: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

## **8. SOUTH & CENTRAL AMERICA HIGH SPEED CABLE MARKET REVENUE**

## **ANALYSIS - BY APPLICATION**

### 8.1 Switch to Switch Interconnect

#### 8.1.1 Overview

#### 8.1.2 Switch to Switch Interconnect: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

### 8.2 Switch to Server

#### 8.2.1 Overview

#### 8.2.2 Switch to Server: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

### 8.3 Server to Storage Interconnect

#### 8.3.1 Overview

#### 8.3.2 Server to Storage Interconnect: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

## **9. SOUTH & CENTRAL AMERICA HIGH SPEED CABLE MARKET - COUNTRY ANALYSIS**

### 9.1 South & Central America

#### 9.1.1 South & Central America High Speed Cable Market Revenue and Forecast and Analysis - by Country

##### 9.1.1.1 South & Central America High Speed Cable Market Revenue and Forecast and Analysis - by Country

##### 9.1.1.2 Brazil: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

###### 9.1.1.2.1 Brazil: South & Central America High Speed Cable Market Share - by Type

###### 9.1.1.2.2 Brazil: South & Central America High Speed Cable Market Share - by Application

##### 9.1.1.3 Argentina: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

###### 9.1.1.3.1 Argentina: South & Central America High Speed Cable Market Share - by Type

###### 9.1.1.3.2 Argentina: South & Central America High Speed Cable Market Share - by Application

##### 9.1.1.4 Rest of South & Central America: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

###### 9.1.1.4.1 Rest of South & Central America: South & Central America High Speed Cable Market Share - by Type

9.3.4.4.2 Rest of South & Central America: South & Central America High Speed Cable Market Share - by Application

## **10 COMPETITIVE LANDSCAPE**

10.1 Heat Map Analysis by Key Players  
10.2 Company Positioning & Concentration

## **11 INDUSTRY LANDSCAPE**

11.1 Overview  
11.2 New Product Development  
11.3 Merger and Acquisition  
11.4 Other Strategic Developments

## **12 COMPANY PROFILES**

12.1 Molex LLC  
12.1.1 Key Facts  
12.1.2 Business Description  
12.1.3 Products and Services  
12.1.4 Financial Overview  
12.1.5 SWOT Analysis  
12.1.6 Key Developments  
12.2 TE Connectivity Ltd  
12.2.1 Key Facts  
12.2.2 Business Description  
12.2.3 Products and Services  
12.2.4 Financial Overview  
12.2.5 SWOT Analysis  
12.2.6 Key Developments  
12.3 NVIDIA Corp  
12.3.1 Key Facts  
12.3.2 Business Description  
12.3.3 Products and Services  
12.3.4 Financial Overview  
12.3.5 SWOT Analysis  
12.3.6 Key Developments  
12.4 Samtec Inc

- 12.4.1 Key Facts
- 12.4.2 Business Description
- 12.4.3 Products and Services
- 12.4.4 Financial Overview
- 12.4.5 SWOT Analysis
- 12.4.6 Key Developments
- 12.5 Axon Cable SAS
  - 12.5.1 Key Facts
  - 12.5.2 Business Description
  - 12.5.3 Products and Services
  - 12.5.4 Financial Overview
  - 12.5.5 SWOT Analysis
  - 12.5.6 Key Developments
- 12.6 Amphenol Corporation
  - 12.6.1 Key Facts
  - 12.6.2 Business Description
  - 12.6.3 Products and Services
  - 12.6.4 Financial Overview
  - 12.6.5 SWOT Analysis
  - 12.6.6 Key Developments
- 12.7 JPC Connectivity
  - 12.7.1 Key Facts
  - 12.7.2 Business Description
  - 12.7.3 Products and Services
  - 12.7.4 Financial Overview
  - 12.7.5 SWOT Analysis
  - 12.7.6 Key Developments
- 12.8 Shenzhen Sopto Technology Co., Ltd.
  - 12.8.1 Key Facts
  - 12.8.2 Business Description
  - 12.8.3 Products and Services
  - 12.8.4 Financial Overview
  - 12.8.5 SWOT Analysis
  - 12.8.6 Key Developments
- 12.9 Volex Plc
  - 12.9.1 Key Facts
  - 12.9.2 Business Description
  - 12.9.3 Products and Services
  - 12.9.4 Financial Overview

12.9.5 SWOT Analysis

12.9.6 Key Developments

12.10 EDGE Optical Solutions

12.10.1 Key Facts

12.10.2 Business Description

12.10.3 Products and Services

12.10.4 Financial Overview

12.10.5 SWOT Analysis

12.10.6 Key Developments

## **13. APPENDIX**

13.1 About The Insight Partners

## List Of Tables

### LIST OF TABLES

- Table 1. South & Central America High Speed Cable Market Segmentation
- Table 2. List of Vendors
- Table 3. South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)
- Table 4. South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 5. South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application
- Table 6. South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Country
- Table 7. Brazil: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 8. Brazil: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application
- Table 9. Argentina: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 10. Argentina: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application
- Table 11. Rest of South & Central America: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Type
- Table 12. Rest of South & Central America: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million) - by Application
- Table 13. Heat Map Analysis by Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1. South & Central America High Speed Cable Market Segmentation - Country

Figure 2. PEST Analysis

Figure 3. Ecosystem: High Speed Cable Market

Figure 4. South & Central America High Speed Cable Market - Key Market Dynamics

Figure 5. Impact Analysis of Drivers and Restraints

Figure 6. South & Central America High Speed Cable Market Revenue (US\$ Million), 2024 - 2031

Figure 7. South & Central America High Speed Cable Market Share (%) - by Type, 2024 and 2031

Figure 8. Direct Attach Copper (DAC) Cable: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 9. Active Optical Cables (AOC): South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 10. Active Copper Cables: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 11. PCIe Cable: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 12. Active Electric Cable (AEC): South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 13. SAS Cable: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 14. South & Central America High Speed Cable Market Share (%) - by Application, 2024 and 2031

Figure 15. Switch to Switch Interconnect: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 16. Switch to Server: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 17. Server to Storage Interconnect: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 18. South & Central America High Speed Cable Market Breakdown by Key Countries, 2024 and 2031 (%)

Figure 19. Brazil: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 20. Argentina: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 21. Rest of South & Central America: South & Central America High Speed Cable Market - Revenue and Forecast, 2021 - 2031 (US\$ Million)

Figure 22. Company Positioning & Concentration

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