

South & Central America Submarine Cable Systems Market Forecast to 2030 - Regional Analysis - by Services (Installation Services and Maintenance & Upgradation), Cable Capacity (Less than 10 Tb/S, 10 - 20 Tb/S, 20-30 Tb/S, and More than 30Tb/S), Application (Communication and Energy & Power), and Type (Single Core and Multi Core)

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Abstracts

The South & Central America submarine cable systems market was valued at US\$ 485.02 million in 2022 and is expected to reach US\$ 950.49 million by 2030; it is estimated to register a CAGR of 8.8% from 2022 to 2030.

Rise in Data Traffic Fuels South & Central America Submarine Cable Systems Market

With the rise of digitalization, cloud computing, and the Internet of Things (IoT), there is a growing need for high-speed and reliable connectivity across various countries and oceans. To cater to such needs, submarine cable systems act as the foundation of global internet connectivity, offering unparalleled speed and bandwidth capabilities. These undersea cables provide a massive capacity for data transmission, supporting businesses with increased bandwidth requirements and ensuring efficient and high-performance internet connectivity.

According to Ericsson, by the end of 2023, the total global mobile data traffic, excluding Fixed Wireless Access (FWA), is projected to reach 130 exabytes (EB) per month. This figure is expected to grow nearly threefold and reach 403 EB per month by 2029. When including FWA, the total mobile network traffic is estimated to reach approximately 160 EB per month by the end of 2023, and it is predicted to rise further to 563 EB per month

by the end of 2029. These projections consider the assumption that the adoption of XR-type services, including AR, VR, and mixed reality (MR), will begin in the latter part of the forecast period. In addition, video traffic is estimated to represent 73% of all mobile data traffic by the end of 2023. Hence, in a progressively interconnected world, the demand for undersea communication cables is growing substantially. Advancements in cable technology, including the deployment of higher-capacity cables and the implementation of advanced transmission techniques, play a key role in enhancing global connectivity. By leveraging these innovations, businesses focus on improving communication capabilities and enhancing access to global networks to manage growing data traffic. Thus, the rise in data traffic drives the submarine cable systems market.

South & Central America Submarine Cable Systems Market Overview

The South America submarine cable systems market is segmented into Brazil, Argentina, and the Rest of South America. Governments and companies in South America are investing in infrastructure development, such as the establishment of data centers, cloud computing facilities, and submarine cable landing stations. These investments aim to enhance connectivity and support the growing digital economy in the region. Furthermore, in January 2024, Google announced its plans to build a groundbreaking undersea cable called "Humboldt," connecting Chile with Australia via French Polynesia. This strategic initiative will establish the first direct link between South America and Asia Pacific. By constructing this cable, the company aims to enhance connectivity and facilitate seamless communication between these regions, unlocking new opportunities for businesses as well as individuals. The Humboldt cable will serve as a vital infrastructure project, enabling faster and more reliable data transmission across vast distances. This high-capacity cable will support the growing demand for digital services, including cloud computing, data centers, and other emerging technologies. By bridging the connectivity gap between South America and Asia Pacific, Google aims to foster economic growth, enhance collaboration, and stimulate innovation in various sectors. Thus, such initiatives from the players are anticipated to provide submarine cable systems market growth a significant boost.

South & Central America Submarine Cable Systems Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Submarine Cable Systems Market Segmentation

The South & Central America submarine cable systems market is categorized into

services, cable capacity, application, type, and country.

Based on services, the South & Central America submarine cable systems market is bifurcated into installation services and maintenance & upgrade services. The installation services segment held a larger market share in 2022.

In terms of cable capacity, the South & Central America submarine cable systems market is segmented into less than 10 Tb/S, 10-20 Tb/S, 20-30 Tb/S, and more than 30 Tb/S. The 20-30 Tb/S segment held the largest share of South & Central America submarine cable systems market in 2022.

By application, the South & Central America submarine cable systems market is bifurcated into communication and energy & power. The communication segment held a larger share of South & Central America submarine cable systems market in 2022.

Based on type, the South & Central America submarine cable systems market is bifurcated into single core and multi-core. The single core segment held a larger share of South & Central America submarine cable systems market in 2022.

By country, the South & Central America submarine cable systems market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America submarine cable systems market share in 2022.

SubCom, LLC; Prysmian SpA; Alcatel Submarine Networks; Nexans SA; NEC Corp; Mitsubishi Electric Corp; Fujitsu Ltd; Vodafone Group Plc; and HMN Technologies Co., Ltd. are some of the leading companies operating in the South & Central America submarine cable systems market.

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