

Asia Pacific 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 Asia Pacific submarine cable systems market was valued at US\$ 6,264.66 million in 2022 and is expected to reach US\$ 16,040.15 million by 2030; it is estimated to register a CAGR of 12.5% from 2022 to 2030.

Surge in Investment in Offshore Wind Power Generation Boost Asia Pacific 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.

Asia Pacific Submarine Cable Systems Market Overview

The Asia Pacific submarine cable systems market is segmented into Australia, China, Japan, India, South Korea, and the Rest of Asia Pacific. Asia Pacific has a large population, and there is a growing need to expand internet connectivity to underserved areas. Submarine cable systems enable the extension of high-speed internet access to remote regions and islands, bridging the digital divide and promoting economic development. Governments and telecommunications companies are investing in submarine cable systems to enhance connectivity and support the region's digital transformation. Furthermore, significant investments from the key players operating in the region are a key factor driving the market growth in the region. For instance, in December 2022, NTT India announced a substantial investment of approximately US\$ 2 billion in infrastructure development. This investment will be allocated toward the establishment of new data centers, cloud computing facilities, and submarine cable landing stations within the upcoming 3-4 years. The objective of this investment is to enhance the connectivity and digital infrastructure in India, enabling the seamless transmission of data and supporting the growth of various industries.

Asia Pacific Submarine Cable Systems Market Revenue and Forecast to 2030 (US\$ Million)

Asia Pacific Submarine Cable Systems Market Segmentation

The Asia Pacific submarine cable systems market is categorized into services, cable capacity, application, type, and country.

Based on services, the Asia Pacific 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 Asia Pacific 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 Asia Pacific submarine cable systems market in 2022.

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

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

By country, the Asia Pacific submarine cable systems market is segmented into Australia, Japan, India, China, South Korea, and the Rest of Asia Pacific. The Rest of Asia Pacific dominated the Asia Pacific submarine cable systems market share in 2022.

Sumitomo Electric Industries Ltd; 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 Asia Pacific submarine cable systems market.

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