

ASEAN Submarine Optical Cable Industry Research Report 2026-2030

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Abstracts

Submarine optical cables are vital communication infrastructure laid on the beds of oceans, lakes, and other bodies of water to facilitate high-speed data transmission across regions, countries, and continents.

Submarine optical cables transmit digital signals via optical fibers, connecting data centers, telecommunications networks, and Internet exchange points across different countries and regions; they serve as the primary medium for carrying international Internet traffic.

The upstream of the submarine optical cable industry mainly consists of raw materials and core components. The midstream sector includes submarine cable system manufacturing and engineering services. Downstream applications are operational applications.

Established in 1967, ASEAN is the most influential regional economic cooperation organization in Southeast Asia. Currently, ASEAN consists of 10 member states: Indonesia, Malaysia, Singapore, Thailand, the Philippines, Brunei, Vietnam, Laos, Myanmar, and Cambodia. East Timor officially joined in 2025 as the 11th member state.

The submarine cable market in ASEAN has maintained rapid growth in recent years, driven primarily by the development of the digital economy, upgrades to telecommunications infrastructure, the expansion of data centers, and rising demand for cloud computing.

Singapore, Malaysia, and Indonesia are the most fiercely competitive markets for submarine fiber-optic cables in ASEAN.

The submarine cable market in ASEAN is projected to maintain rapid growth over the next five years.

According to estimates by CRI, the market size is projected to reach approximately US\$ 1.2 billion in 2026. With a forecasted compound annual growth rate (CAGR) of around 9.0% between 2026 and 2030, the market size is expected to reach US\$ 1.7 billion by 2030.

CRI recommends that global submarine optical cable manufacturers, data center operators, telecommunications companies, cloud computing companies, marine engineering firms, international internet companies., private equity (PE) funds and venture capital (VC) firms conduct timely market research on the ASEAN region to prepare for their strategic entry into the ASEAN submarine optical cable market.

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What is the projected revenue for Submarine Optical Cable market in ASEAN during the forecast period of 2026–2030?

What strategies have major market players adopted to increase their market share within this industry?

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