

South Asia Communication Optical Cable



Overview

The 10,500 km SJC2 optical submarine cable, built by NEC, is now operational, delivering 126 Tbps capacity to boost Asia-Pacific connectivity for AI, cloud, and real-time data. The Submarine Cable Map is a free and regularly updated resource from TeleGeography. Tokyo, Japan, 18 July, 2025 - The SJC2 consortium (*1) announced today with NEC Corporation (NEC; TSE: 6701) the completion of construction and the start of operations for the Southeast Asia-Japan Cable 2 (SJC2), a high-capacity optical submarine cable connecting the Asia region. SJC2's main trunk links Singapore, Hong Kong China, and Japan, with. Asia-Africa-Europe 1 (AAE-1): A ~25,000 km cable linking Hong Kong, Vietnam, Malaysia, Singapore, India, Pakistan, and more, providing high-capacity connectivity between Asia, the Middle East, and Europe. Asia-America Gateway (AAG): Spanning ~20,000 km, this cable connects Southeast Asia.



Article Content

New consortium co-led by Singtel to build \$421m

SINGAPORE – Singtel and China Telecom Global will co-lead a consortium to build an undersea fibre-optic cable system worth US\$300 million

Submarine Cables

These cables play a central role in finance, communications, and national security but this is not adequately reflected in international legal regulations and

Subsea Communication Cables in Southeast Asia: A

Southeast Asia's strategic location amid major, surrounding waterways means that the region is an important node in the web of undersea

2025/21 "The Struggle for Subsea Cable Supremacy in

While Japan serves as the largest subsea cable supplier for most Southeast Asian countries, China holds the dominant position in Cambodia

Tata Communications to enhance its network capability

Carl Osborne, Associate Vice President, International Cable Network Development, Tata Communications The cable will feature multiple pairs of high capacity optical

Submarine Cable Map

TeleGeography's comprehensive and regularly updated interactive map of the world's major submarine cable systems and landing stations.

NEC Completes Asia Direct Cable (ADC) Submarine Cable

The ADC submarine cable is owned by the ADC Consortium and features multiple pairs of high-capacity optical fibers. It is designed to carry more

Tata Communications & ADC to build submarine cable connecting 6

"The submarine cable will feature multiple pairs of high capacity optical fibres and is designed to carry more than 140 Tbps of traffic, enabling high capacity transmission of data across

Southeast Asia-Japan Cable 2 Optical Submarine Cable

The SJC2 consortium announced with NEC Corporation the completion of construction and the start of operations for the Southeast Asia

Submarine Cables Are Bridging Asia's Societies

Most internet traffic now travels through submarine fiber-optic cables rather than satellites or overland networks. According to the National Bureau of

Subsea Communication Cables in Southeast Asia: A

Subsea Communication Cables in Southeast Asia: A Comprehensive Approach Is Needed By treating undersea cables as critical infrastructure,

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Corning Incorporated is a global-leading innovator in materials science, with 170 years of life-changing inventions and category-defining products.

U.S. and China wage war beneath the waves

The two superpowers are vying to control subsea cables, a hidden network that speeds internet data around the globe. This

Fiber Optic Communication Surge in Southeast Asia:

Fiber optic communication, as a core infrastructure supporting these technological advancements and industrial upgrades, has seen a remarkable

SJC2 optical submarine cable in operation: Press Releases | NEC

SJC2 enhances submarine cable infrastructure in the region with additional capacity, route diversity, and resilience by strengthening the redundancy of the network to meet the increasing

E2A Consortium Unveils Next-Generation Submarine

Crossing the Pacific Ocean, the E2A cable system will link major digital hubs in Asia and North America, with landings in Toucheng (Taiwan),

Submarine Cable Map | Interactive Global Undersea

This interactive submarine cable map shows global undersea and underwater fiber optic cables connecting continents and countries worldwide. Explore cable

NEC Completes New Asia Pacific Submarine Cable

The ADC submarine cable is owned by the ADC Consortium and features multiple pairs of high-capacity optical fibers. It is designed to carry more

TPE (cable system)

TPE or Trans-Pacific Express is a submarine telecommunications cable linking China, South Korea, Taiwan, Japan, and the United States.

Subsea cables and their importance, explained

A look at why cable disruptions seem to be happening more frequently, and what's at stake for Southeast Asia and Singapore.

Submarine Cables

In 2006, a magnitude-7 earthquake in Taiwan damaged eight cables, disrupting data flow and communications from Taiwan to Hong Kong, Southeast Asia, and

Philippines to upgrade Luzon fiber-optic cable to bypass

TOKYO -- A Philippine government agency and two telecom companies have signed a memorandum of understanding to upgrade and

Asia-Pacific Fiber Optic Cable Market Size, Growth Trends ...

The Asia-Pacific fiber optic cable market is experiencing rapid growth, driven by increasing internet penetration, expanding 5G infrastructure, and the rising demand for high-speed

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Asia-Pacific's Fiber Frontier: A High-Speed Adventure to

Fiber optics play a crucial role in supporting these initiatives, providing high-speed and low-latency communication for real-time data transmission. The

E2A Consortium Unveils Next-Generation Submarine

The E2A consortium is pleased to announce the start of construction for the new submarine cable system, E2A. The consortium has selected ASN to

SJC2 Optical Submarine Cable Goes Live, Connecting

The 10,500 km SJC2 optical submarine cable, built by NEC, is now operational, delivering 126 Tbps capacity to boost Asia-Pacific connectivity for AI,

The Vast Network Below: A Closer Look at Submarine

A submarine communication cable is a fiber-optic cable constructed underwater to connect two or more landing locations. Today's cables typically

Asia Pacific Fiber Optics Market Size | Industry Report,

Asia Pacific Fiber Optics Market Trends The Asia Pacific fiber optics market size was estimated at USD 3.04 billion in 2024 and is projected to grow at a CAGR of 8.8%

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.blazingfast.co.za>

Email: info@blazingfast.co.za

Phone: +27 83 416 7295

Address: Plot 45, Silicon Savannah Road, Tatu City, Kiambu 00900, Kenya

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