

PLCN optical cable



Overview

The Pacific Light Cable Network (PLCN) is a trans-Pacific submarine fiber-optic cable system spanning approximately 11,800 kilometers, providing high-capacity data transmission between Los Angeles, California, and landing points in Taiwan and the Philippines. PLCN aimed to offer the first direct submarine cable connectivity between Hong Kong and Los Angeles, the US, spanning approximately 13000 km, with the shortest. The Pacific Light Cable Network (PLCN) is a proposed cable system in the Pacific Ocean. Partners in the project include Meta Platforms (formerly known as Facebook) and Google. Its landing points are planned to be: Cancelled: Although cable had already been laid, it was announced. This interactive submarine cable map shows global undersea and underwater fiber optic cables connecting continents and countries worldwide. Explore cable routes, landing stations, system status and infrastructure updates. * additional data available as part of our Services. Developed by a consortium.



Article Content

Oct 17, 2025

Fiber Optic Internet Cables: Benefits, Types, and the

Discover the different types of fiber optic cables and the benefits of fiber optic internet. Compare fiber connections with other types of home internet.

Aug 03, 2025

The PLCN Undersea Internet Cable Connects The U.S.

The fiber optic cable network boasts 6 fiber pairs, with 240 channels of 100Gbps in a single fiber pair (100G * 240 WL), 24 Tbps per fiber pair and

May 27, 2026

Pacific Light Cable Network – An update from PLDC

The PLCN cable system is designed with state-of-the-art subsea cable technology, for example it is the first subsea cable system in the Asia

Jan 14, 2026

Pacific Light Cable Network (PLCN) Submarine Cable

It connects El Segundo on the southern California coast with Toucheng in Taiwan and Baler in the Philippines, operated by a consortium that includes Google and Meta alongside regional Asian partners.

Apr 05, 2026

The PLCN Undersea Internet Cable Connects The U.S.

The PLCN cable system is project by PLDC, as well as Google and Facebook. Google owns one fiber pair in PLCN, which connects Hong Kong and

Sep 17, 2025

PLC Splitter Selection Guide: Optimizing Fiber Optic

Introduction to PLC Splitters Planar Lightwave Circuit (PLC) splitters are pivotal components in modern fiber optic networks. Their role in splitting

Feb 22, 2026

Pacific Light Cable Network (PLCN)

Length of the Cable: 11,806 km Looking for Submarine Cable capacity?

Apr 20, 2026

PLCN is coming in-service in 2019

PLCN has achieved one and another milestone. Being the first cable connecting Hong Kong and US directly, the first C+L bands technology enabled submarine

Jul 23, 2025

Submarine Cable Map

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

Aug 01, 2025

New undersea cable expands capacity for Google Asia

The Pacific Light Cable Network (PLCN) will have 12,800 km of fiber and an estimated cable capacity of 120 Tbps, making it the highest-capacity trans

Sep 27, 2025

Pacific Light Data Communication Co. Ltd. | PLCN

Pacific Light Data Communication Co., Ltd. (PLDC), joint owner of the Pacific Light Cable Network (PLCN) is pleased to announce today that the submarine cable system has successfully landed in

Jan 17, 2026

All AI Data Center Interconnects Will Be Optical Within 5 Years

All the overhead racks with bright yellow cables are fiber optics. We are on the verge of several more transitions that will result in all high-bandwidth data interconnects becoming optical

Jul 31, 2025

PLCN Landed in Hong Kong

Pacific Light Data Communication Co., Ltd. (PLDC), joint owner of the Pacific Light Cable Network (PLCN) announced on March 23rd, 2018 that the submarine cable system has successfully landed in

Nov 06, 2025

Pacific Light Cable Network (PLCN)

Pacific Light Cable Network (PLCN) is a repeatered submarine cable system that is connected to 3 cable landing stations. It is operational since 2022 and owned by a consortium of companies.

Mar 03, 2026

Optical Communications Products

Browse our optical communication connectivity products designed to help you enable your communication networks. Easily create a bill of materials list.

Jan 17, 2026

Building one of the highest-capacity subsea cables in

PLCN will be one of the highest-capacity trans-Pacific systems, with an initial estimated design capacity of 120 Tbps. PLCN will also be one of the

Jul 01, 2025

Pacific Light Cable Network — Grokipedia

The Pacific Light Cable Network (PLCN) employs advanced fiber optic technology centered on the integration of C+L band amplification, marking it as the first submarine cable system worldwide to

May 08, 2026

Google and Facebook Invest in PLCN Cable Connecting

Google announced on Wednesday in a blog post that Google will work with Facebook, Pacific Light Data Communication (PLDC) and TE SubCom to build

Aug 19, 2025

Pacific Light Cable Network

The Pacific Light Cable Network (PLCN) is a proposed cable system in the Pacific Ocean. Partners in the project include Meta Platforms (formerly known as Facebook) and Google.

May 27, 2026

PLCN, a subsea cable changing internet and cloud infrastructure

From technically point of view, PLCN takes the first adventure to apply C+L bands technology in a commercial subsea cable system, boosting technology innovation. Traditionally, most

Sep 16, 2025

PLCN (Pacific Light Cable Network) Landed in Hong Kong

Pacific Light Data Communication Co., Ltd. (PLDC), joint owner of the Pacific Light Cable Network (PLCN) is pleased to announce today

Aug 01, 2025

Pacific Light Data Communication Co. Ltd. |

PLDC is the co-owner of the new subsea cable PLCN (Pacific Light Cable Network) directly connecting Hong Kong and Los Angeles.

Jun 27, 2025

Wired for Power: The Geopolitics of Submarine Cables

The Pacific Light Cable Network (PLCN) was envisioned in 2016 as a landmark trans-Pacific subsea fibre-optic cable system, designed to directly link Los Angeles to Hong Kong with over 13,000

Nov 12, 2025

PLCN, a subsea cable changing internet and cloud

Subsea cable systems are critical infrastructure for global internet and cloud platforms. According to Telegeography, there are now 366 subsea cables

Feb 15, 2026

Pacific Light Cable Network (PLCN)

Pacific Light Cable Network (PLCN) submarine cable system specifications. Capacity, length, status, ownership and landing stations.

Nov 09, 2025

Pacific Light Cable Network (PLCN)

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

Contact Us

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

Website: <https://www.moletenare-ew.co.za>

Email: info@moletenare-ew.co.za

Phone: +86 138 1658 3346

Address: Ningbo, China

This document is for informational purposes only. Specifications subject to change without notice.

