

PLCN optical cable shelved



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. 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. 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.



Article Content

Aug 09, 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.

Jan 10, 2026

A guide for fiber optical PLC splitters

Fiber optical PLC splitters are a better solution for applications involving larger split configurations. Fiber optical PLC splitters are a great option because they provide

Aug 15, 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

Apr 02, 2026

PLC Splitter | Planar Lightwave Circuit Optical Splitters for GPON/FTTH

PLC (Planar Lightwave Circuit) splitters are passive optical devices that divide or combine optical signals with precise power distribution across multiple outputs. They are essential in PON systems (GPON,

Oct 30, 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.

Jun 10, 2026

PLC (Planar Lightwave Circuit) Splitters Selection

The pole connects the distribution optical cable located in the air as well as the drop wire to the user's premises. Types of PLC (Planar Lightwave Circuit) Splitters

Aug 24, 2025

PLC Splitter: An In-depth Exploration of Planar Lightwave Circuit

PLC (Planar Lightwave Circuit) splitters are crucial components in optical networks, facilitating the distribution of optical signals to multiple destinations. This article provides a

Jun 21, 2026

Facebook, Google, PLDC And TE SubCom To Co-Build The PLCN

Low-latency route between Hong Kong and U.S. to be completed by summer 2018 TE SubCom, a TE Connectivity Ltd. company and an industry pioneer in undersea communications

Feb 09, 2026

Pacific Light Cable Network (PLCN)

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

Oct 19, 2025

Pacific Light Cable Network (PLCN)

Pacific Light Cable Network (PLCN) submarine cable. View route, landing points, failure impact analysis, and connectivity metrics.

Dec 04, 2025

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

Feb 14, 2026

PLCN, a subsea cable changing internet and cloud infrastructure

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

Oct 28, 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

Dec 16, 2025

Understanding PLC Splitters: A Comprehensive Guide

What is a PLC Splitter? A PLC Splitter is an optical power management device that uses silica optical waveguide technology to split an optical signal into multiple

Dec 20, 2025

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

Oct 15, 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

Aug 31, 2025

PLC Splitters

PLC Splitter Product Description: Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology and offers a low cost solution for optical signal distribution. It has low insertion

Mar 01, 2026

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

Jul 22, 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

Apr 19, 2026

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

Oct 25, 2025

Pacific Light Cable Network (PLCN) Submarine Cable

But in 2020, after a multi-year national-security review by US regulators (Team Telecom, which advises the FCC on foreign cable applications), Google and Meta requested and received approval to

Jun 05, 2026

Pacific Light Data Communication Co. Ltd. |

Pacific Light Data Communication Co., Ltd. (PLDC) was founded in October 2015 in Hong Kong, the heart of Asia, is set to become a

Dec 23, 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

Apr 22, 2026

FCC Approves Licenses for PLCN

Upon recommendations by Team Telecom, the FCC has approved Submarine Cable Landing License for the Pacific Light Cable Network (PLCN)

Dec 04, 2025

PLC Splitter: The Ultimate Guide to Efficient Light

A PLC Splitter divides one optical signal into multiple outputs, ensuring reliable, efficient fiber optic network connections for homes and

May 01, 2026

Understanding PLC Splitters in Fiber Optic Networks

Discover the importance and working principle of PLC splitters in fiber optic networks. Learn about the types, benefits, and future applications. Explore

Nov 20, 2025

Google gets approval to use U.S.-Taiwan portion of

MANILA, Philippines – Google on Wednesday, April 8, (US time) got approval from the US Federal Communications Commission (FCC) to start using

Contact Us

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