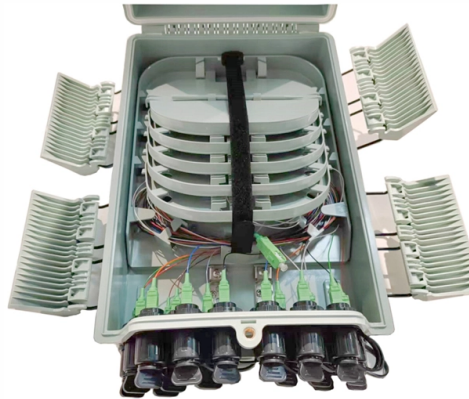


Papua New Guinea Single-Mode Gigabit Fiber Optic Cable



Summary of Content

Papua New Guinea's high-speed connectivity is supported by single-mode fiber optic cables through the Coral Sea Cable System and extensive domestic networks operated by PNG DataCo.

Submarine Connectivity: Coral Sea Cable System

The Coral Sea Cable System (CS²) is a 4,700 km submarine fiber optic cable linking Sydney, Australia, to Port Moresby, PNG, and Honiara, Solomon Islands . It uses single-mode fiber with Dense Wavelength Division Multiplexing (DWDM) in the 1550nm window, supporting up to 40 Tbps of capacity . The system employs 100G repeaters and ASN's 1620 SOFTNODE Submarine Line Terminal Equipment, providing configurable client interfaces and robust protection against cable faults . CS² ensures faster, more reliable, and cost-effective international connectivity, replacing PNG's aging undersea cable to Sydney .

Domestic Fiber Network

PNG DataCo operates over 12,000 km of fiber optic cable across the country, connecting 44 out of 96 districts via fiber and achieving a 70% district connectivity rate . The network integrates with three data centers and 51 satellite infrastructures, providing low-latency, high-availability services. Single-mode fiber is used extensively for long-distance, high-speed gigabit connections, supporting both wholesale telecommunications and digital services . DataCo also maintains international Points of Presence (PoPs) in Sydney, Guam, Hong Kong, and Jayapura, sourcing upstream IP transit and peering services .

Article Content

Coral Sea Cable System project marks key milestones

The 4,700km Coral Sea Cable System under construction by Vocus, has achieved two major

Papua New Guinea's national broadband network speeding to completion

The dream of high speed broadband in Papua New Guinea has taken a step closer, with the completion of a fibre

Papua New Guinea Fiber Optic Hybrid Cable Single Mode

The 4700 km Coral Sea Cable System is a 40Tbps submarine fibre optic cable that brings next-generation connectivity to the people

PAPUA NEW GUINEA'S NATIONAL SUBMARINE OPTICAL CABLE

Papua New Guinea Special Optical Cable Single Mode Brocade compatible 25G SFP28 LR-I, 1310nm wavelength, up to 10km over

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Trusted Fiber Optic Contractor Lae

Trusted Fiber Optic Contractor Lae As digital infrastructure continues to expand in Papua New Guinea, Lae

PNG National Cable Network Enables New Route to Sydney, Australia

Huawei Marine announced that it will help Papua New Guinea to build national submarine fibre cable network,

The Coral Sea Cable: One Step Closer to Cheaper Internet for PNG

TechInPacific - The Coral Sea Cable is a collaborative project between Australia and Papua New Guinea (PNG)

Coral Sea Cable System (Australia Papua New Guinea Solomon

The CS2 has a four fibre-optic pair core, sheathed in one physical cable from Australia over 2500 km to a Branching Unit (BU) in the

Lae-Madang Fiber Optic Link Design

This document presents an engineering approach to designing an optical fiber communication link between Madang and Lae in

PNG DataCo's ambitious roadmap for the internet in Papua New Guinea

PNG DataCo's current and planned cable network. Credit: PNG DataCo A total of 12,000 km of fibre-optic cables has

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East Coast NetLink Fiber Optic Internet East Coast NetLink provides fiber optics connectivity solutions for businesses and

Leading Fiber Optic Supplier Port Moresby

We're committed to powering Papua New Guinea's digital future with high-performance fiber products and customized solutions.

Papua New Guinea Cable Networks Transform Pacific Supply Chain

The Papua New Guinea government's announcement of the \$120 million Pukpuk Connectivity Initiative on December

PNG DataCo Coverage - PNG DataCo

DataCo operates and maintains an extensive network of over 12,000km of fiber optic cable both internationally and locally. In

East Coast Group Ltd

East Coast NetLink provides fiber optics connectivity solutions for businesses and organizations in Papua New Guinea. We offer high

Trusted Fiber Optic Contractor Papua New Guinea

From high-speed internet rollouts in urban centers to connectivity solutions in rural and remote areas,

Papua New Guinea Optic Fiber Cable & Accessories Market (2025)

6.1.3 Papua New Guinea Optic Fiber Cable & Accessories Market Revenues & Volume, By Single-Mode, 2021 - 2031F 6.1.4 Papua

Best Fiber Optic Modules in Papua New Guinea | Buy Bulk Fiber Optic ...

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New submarine cable to boost connectivity in Papua New Guinea and ...

Vocus Group and Alcatel Submarine Networks (ASN) have signed a contract to deploy the Coral Sea Cable System - a new

Recommendation ITU-T G.652 (08/2024)

This document outlines the specifications for a single-mode optical fiber and cable designed for use around

Coral Sea Cable System Overview

The Coral Sea Cable System (CS 2) connects both Papua New Guinea (PNG) and the Solomon Islands to the major

Papua New Guinea Fiber Optic Cables Market (2025-2031)

6Wresearch actively monitors the Papua New Guinea Fiber Optic Cables Market and publishes its comprehensive annual report,

Coral Sea Cable Company

The Coral Sea Cable System is a 4700km long fibre optic submarine cable system linking Sydney,

How PNG is achieving faster, more reliable internet access

A new submarine fibre-optic cable network is already boosting Papua New Guinea's internet speeds and ICT capacity in some

Contact Us

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