

Samoa Optical Cable Specifications



Article Overview

Samoa's optical submarine cable network includes the ASH, SAS, Tui-Samoa, and Manatua systems, providing high-capacity fiber-optic connectivity with inter-island and international links.

ASH and SAS Cables

The America Samoa–Hawaii (ASH) Cable connects Samoa to American Samoa and Hawaii, forming Samoa's primary international link to global networks. It consists of two fiber-optic cables and leverages the former PACRIM East cable route, providing significantly higher capacity than previous systems . The Samoa–American Samoa (SAS) Cable is a point-to-point fiber-optic link between Apia and Pago Pago, serving as both a primary data route and redundancy for neighboring systems . These cables collectively support Samoa's growing bandwidth demand, which is projected to reach 30 Gbps by 2028 .

Tui-Samoa Cable

The Tui-Samoa submarine cable connects Apia, Samoa, to Suva, Fiji, with landing stations at Savusavu, Wallis and Futuna, and Savai'i. It is designed to provide high-quality, resilient connectivity across the South Pacific, supporting wholesale capacity for local ISPs and ensuring network diversity and redundancy . The system uses state-of-the-art fiber-optic technology to deliver fast and reliable internet services.

Manatua Cable...

Article Content

Le Vasa 2026 RFS | ASTCA Owner | -1.0 km

Le Vasa is a new submarine fiber-optic cable system for American Samoa. The project agreement was signed on 15 January 2026 in

Underwater Cable to Bring High-Speed Internet to Samoa

Samoa's cable follows on from an 827-kilometre fiber-optic cable between Tonga and Fiji which was completed in August 2013, in

Samoa Active Optical Cable Market (2025-2031) | Trends & Industry

6Wresearch actively monitors the Samoa Active Optical Cable Market and publishes its comprehensive annual report, highlighting

eLandia Together With American Samoa Has Launched Submarine Cable

"The submarine fiber-optic cable transforms the entire telecommunication landscape of American Samoa in ways that

Fiber Optic Cable Types Explained

Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables,

Samoa 8-core optical cable

It was the first fiber-optic system to be laid between the United States, the United Kingdom, and France back in 1988. The people

Optical fibres and cables in Samoa

Find the latest exports, imports and tariffs for Optical fibres and cables trade in Samoa.

Fiber Optic Cables Selection Guide: Types, Features, Applications ...

Fiber optic cables are composed of one or more transparent fibers enclosed in protective coverings and strength members. Fiber

Manatua One Polynesia Fibre Cable

Manatua logo The Manatua One Polynesia Fibre Cable is a 3,600 kilometres (2,200 mi) long submarine communications cable

Specifications For Fiber Optic Networks

Specifications For Legacy Fiber Optic Networks A listing of many fiber optic LANs and links available in the last 30 years, with basic

Samoa 8-core optical cable

Engineers lift the historic TAT-8 transatlantic cable from the ocean floor. It was the first fiber-optic system to be laid between the

Single-mode optical fiber

In fiber-optic communication, a single-mode optical fiber, also known as fundamental- or mono-mode, is an optical fiber designed

Samoa Fiber Optic Cable Market (2025-2031) | Companies & Value

By 2027, the Fiber Optic Cable market in Samoa is anticipated to reach a growth rate of 3.40%, as part of an increasingly competitive

GOVERNMENT OF THE INDEPENDENT STATE OF SAMOA

17.3 Technical Specifications shall be presented in a clearly itemised format identifying major features of material importance as

Samoa: Samoa Submarine Cable Project

The project aimed at improving Samoa's international broadband connectivity, which involved the development and

ABOUT US | Samoa Submarine Cable Company

ABOUT US Who Are We? Samoa Submarine Cable Company (SSCC) is a pioneering telecommunications infrastructure provider,

Fiber Optic Cables

The S670T series of Marine Shipboard armored fiber optic cables are designed especially for the harsh environments of commercial

HAWAIIKI, ASH, and ASTCA Join to Form New Broadband Alliance in

Hawaii Press Release May 28, 2020 New alliance to future-proof Pacific connectivity and boost capacity for American

Samoa Observer | Why Tui Samoa Cable is vital

It is there for paramount that in order for Samoa to fully leverage the benefits of the Tui-Samoa cable, the Office of the

The FOA Reference For Fiber Optics

Fiber Optic Cable Cable Types: (L>R): Zipcord, Distribution, Loose Tube, Breakout Cable provides

Handbook Optical fibres, cables and systems

Moreover, the optical plant needs a lot of complementary hardware (passive nodes, optical distribution frames, joint closure,

Fiber Optic & Cable Standards Guide | FiberMania Standards

Fiber optic networks are built on well-defined standards that ensure quality, performance, and interoperability. This

Telecommunications in Samoa

Telecommunications in Samoa Telecommunications systems in Samoa include telephone, radio, television and internet. In 2009, the

Tui-Samoa

SSCC mandate was to procure, construct and operate Samoa's first international submarine cable "Tui-Samoa

Samoa Submarine Cable Project: Completion Report

By connecting Samoa to the international submarine fiber-optic cable network, the project delivered cost-effective broadband

Le Vasa cable is a new digital link for American Samoa

On January 14, 2026, Samoa Prime Minister Laaulialemalietoa Leautea Schmidt arrived in American Samoa with his

Fiber Optic Cable Specifications Guide

This document provides specifications for single mode and multimode optical fibers according to various ITU-T and IEC standards.

Samoa Submarine Cable Company | Connecting

High quality connectivity via state-of-the-art fibre optic cable technology will stimulate Samoa's ICT growth

Cable boosts American Samoa's connectivity

AN undersea cable will increase American Samoa's connectivity to the world. Governor Pulaalii Nikolao Pula this

CORNING OPTICAL COMMUNICATIONS GENERIC SPECIFICATION

CORNING OPTICAL COMMUNICATIONS GENERIC SPECIFICATION FOR 1728-3465 FIBER STRANDED SUBUNIT

Samoa : Samoa Submarine Cable Project

The proposed project will improve international broadband connectivity of Samoa. The proposed project focuses on building a

Samoa Optical Fiber Cables Market (2025-2031) | Trends, Outlook

6Wresearch actively monitors the Samoa Optical Fiber Cables Market and publishes its comprehensive annual report, highlighting

Optical Fibre Cable Technical Specification

This Specification covers the design requirements and performance standard for the supply of optical fibre cable in the industry.

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

This document outlines the specifications for a single-mode optical fiber and cable designed for use around the 1310 nm zero

Samoa Fibre Optic Cables Market (2025-2031) | Trends & Outlook

6Wresearch actively monitors the Samoa Fibre Optic Cables Market and publishes its comprehensive annual report, highlighting

American Samoa | Powertec Information Portal

In 2009, the American Samoa-Hawaii Cable (ASH cable), a fibre-optic submarine communications cable, was introduced. The SAS

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