

Article Overview

The Tonga Cable, a multi-core submarine fiber-optic system, was manufactured and laid by TE SubCom (now SubCom).

The Tonga Cable System is an 827-kilometer submarine fiber-optic cable connecting Sopo, Nuku'alofa in Tonga to Vatuwaqa, Suva in Fiji, linking Tonga to international networks via the Southern Cross Cable Network . The cable was commissioned in August 2013 and was originally designed with two fiber pairs, providing sufficient capacity for Tonga's national traffic profile at the time . Over the years, optical upgrades have increased its practical capacity without physical changes to the wet plant .

Manufacturer and Installation

The manufacturer and installer of the Tonga Cable was TE SubCom, a leading global provider of submarine communications technology . TE SubCom supplied the cable system, including the multi-core optical fibers, and executed the turnkey installation contract between Tonga and Fiji. The project was completed on time and within budget, with minor adjustments to cover additional cable equipment required for installation .

Ownership and Management

The cable is owned and operated by Tonga Cable Limited (TCL), a state-owned enterprise formed to manage the submarine network . TCL is a joint venture between the Government of Tonga, Tonga Communications Corporation (TCC), and Digicel Tonga, with the government holding a majority stake . The system has been extended domestically to connect outer islands such as Ha'apai and Vava'u, enhancing inter-island connectivity .

Funding and Project Background

The construction of the Tonga Cable was partially financed by the World Bank and the Asian Development Bank, with the remaining investment provided by the Tongan government and TCC . The total project cost was approximately \$32-33 million, covering civil works, cable procurement, consulting services, and taxes . The cable has significantly improved internet capacity, reduced latency, and lowered wholesale prices in Tonga . In summary, TE SubCom (now SubCom) is the manufacturer of the multi-core optical cable used in Tonga, while Tonga Cable Limited manages and operates the system, ensuring reliable international connectivity for the country .



Tonga multi-core optical cable manufacturer

The Government of the Kingdom of Tonga, the Asian Development Bank and the World Bank have launched a \$34

The project was designed with two outputs: (i) link Tonga to the submarine fiber optic cable network via connection through Fiji, a

Tonga Cable Limited (TCL) owns and manages the fibre-optic submarine cable, connecting Tonga to Fiji,

The Tonga-Fiji Submarine Cable Project will provide a submarine fiber optic cable system linking Tonga to Fiji where an existing

Tonga Cable Limited was formed in November 2009, with approval of Government of Tonga, to build and manage a submarine fibre

Tonga Power has a plan for carrying fiber-optic cables on its power poles and offering wholesale capacity to interested parties. It

Tonga Cable System is a submarine fiber-optic cable system connecting Tonga with Fiji, where it connects to other international

The cable repair vessel then picked the cable up from Samoa before heading to Tonga. "It is a relieve for the country

Hengtong Optic-Electric Co.,Ltd: We're well-known as one of the leading indoor optical cable, outdoor

Nuku'alofa, Tonga: Tonga's domestic fibre optic telecommunications cable was torn apart by tremendous forces and

Tonga Cable is a public telecommunications carrier that manages submarine fibre optic infrastructure and wholesale connectivity

We manufacture and design top-tier fiber optic and copper cabling and connectivity products to support a wide range of application

Tonga Cable Limited is a public enterprise, we are 80% owned by the Government, providing reliable, safe and affordable high

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions.



Tonga multi-core optical cable manufacturer

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