

Vanuatu sells 288-core fiber optic cable

Article Overview

Vanuatu is expanding its fiber optic infrastructure, and 288-core fiber optic cables are commercially available for deployment.

Vanuatu Fiber Infrastructure

Vanuatu is actively enhancing its digital connectivity through major projects such as the Tamtam Cable, a subsea system contracted with Prima Ltd, ASN, and OMS, scheduled to be ready by the end of 2027 . This project aims to strengthen international and domestic fiber access, improve resilience, and integrate advanced monitoring for environmental and disaster preparedness . Additionally, Interchange Limited (ICL) has been upgrading Vanuatu's subsea cable network, providing high-capacity bandwidth to ISPs and government services, which supports the deployment of high-core fiber cables .

288-Core Fiber Cable Specifications

High-capacity 288-core fiber optic cables are available in both indoor/outdoor and armoured configurations. For example:

- o Hone Cable offers a 288-core CST (corrugated steel tape) fiber cable with multi loose tube design, water-blocking layers, and flame-retardant outer sheaths. It can be customized with PE, LSZH, or flame-retardant materials for duct, direct burial, or backbone communication applications .
- o CommScope provides 288-fiber indoor/outdoor cables with stranded loose tube construction, singlemode G.652.D and G.657.A1 fibers, gel-free design, and riser-rated jackets suitable for high-density installations . These cables are designed for high-capacity backbone networks, supporting large-scale data transmission and future-proofing telecommunications infrastructure.

Market Context

The Vanuatu fiber optic market is growing, with increasing demand for high-capacity cables to support broadband expansion, FTTh (Fiber to the Home) services, and international connectivity . Both local and international suppliers can provide 288-core cables, and projects like Tamtam Cable and ICL upgrades indicate that Vanuatu is actively integrating such high-core fiber solutions into its network.

Summary

- o Availability: 288-core fiber optic cables are commercially available and can be sourced internationally or through local distributors.
- o Deployment: Vanuatu's ongoing subsea and terrestrial fiber projects are suitable for high-core cables.



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- o Customization: Cables can be tailored for armoured, duct, direct burial, or indoor/outdoor applications.
- o Market Growth: The Vanuatu fiber optic market is expanding, creating opportunities for high-capacity cable deployment. This makes Vanuatu a viable market for 288-core fiber optic cable installations, both for commercial ISPs and government infrastructure projects.

6Wresearch actively monitors the Vanuatu Fiber Optics Market and publishes its comprehensive annual report, highlighting emerging

Vanuatu's Prime Minister is expected to ask Australia to help fund a multi-million-dollar internet cable project when he

As demand for high-speed internet and digital connectivity continues to rise in Vanuatu, quality fiber optic infrastructure is becoming

Local tech company Prima Limited and the Asian Development Bank (ADB) have signed a debt-plus-grant mandate

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Vanuatu's Interchange Ltd. has signed an agreement with Alcatel-Lucent (Euronext Paris and NYSE: ALU) to deploy the island's first

This new digital lifeline will connect Port Vila, Vanuatu, to Lifou, New Caledonia, marking a transformative leap for

Interchange Limited, has constructed the Interchange Cable Network which connects Port Vila, Vanuatu to Suva, Fiji via a fiber optic

Offering seamless connectivity from 1 Mbps to 10 Gbps across borders, with managed solutions and robust

Overview The Asian Development Bank (ADB) assisted TAMTAM Submarine Cable Project, which involved the design, deployment,

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The Tamtam cable will complement Vanuatu's existing submarine fiber-optic cable connection with Fiji, ensuring



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The Interchange Group is a Vanuatu-based consortium, committed to a better future for Melanesia. We are providing

Vanuatu's telecommunications infrastructure relies on a major submarine fiber-optic cable, supplemented by a network of mobile

ASN and OMS announced that the Tamtam Cable contract with Prima Ltd has officially entered into force as of

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