

Article Overview

The Dominican Republic is served by both terrestrial ADSS fiber optic cables and high-capacity submarine cables, with multiple suppliers and recent infrastructure expansions enhancing connectivity.

Terrestrial Fiber Optic Cables

ADSS (All-Dielectric Self-Supporting) fiber optic cables are widely used in the Dominican Republic for aerial installations on poles or towers without metallic support wires. These cables are fully non-conductive, safe for installation near high-voltage power lines, and resistant to electromagnetic interference and lightning risks. For example, NPC Electric supplied 12-core and 24-core ADSS cables to EXELON GLOBAL SOLUTIONS, SRL, designed for high-speed voice, data, and video transmission with superior weather resistance and tensile strength suitable for Caribbean conditions . GLFIBER has also delivered 127 km of ADSS fiber optic cable to the Dominican Republic, supporting large-scale telecom projects .

Local Suppliers

The Dominican Republic has a robust network of fiber optic cable suppliers. According to Volza, there are 30 active suppliers in the country, capable of exporting to multiple international buyers. These suppliers provide detailed shipment records, pricing trends, and direct contact information for procurement, making it easier to source cables for both small and large-scale projects . Export data shows that Dominican suppliers have shipped fiber optic cables globally, indicating a reliable supply chain .

Submarine Cable Connectivity

For international connectivity, the Dominican Republic is linked via submarine fiber optic cables. Telxius recently extended the SAM-1 cable from Punta Cana to Puerto Rico, connecting the Dominican Republic to the U.S. and wider Latin America. This ultra-high-capacity route enhances digital infrastructure, enabling faster, more reliable communication and supporting regional and global enterprise operations . The country also benefits from connections through other major cables like Brusa and PCCS, forming part of a broader Caribbean network.

Summary

The Dominican Republic's fiber optic infrastructure combines terrestrial ADSS cables for local networks and submarine cables for international connectivity. Multiple suppliers, both local and international, provide high-quality cables suitable for tropical environments, while recent submarine cable expansions ensure high-capacity, low-latency links to the U.S. and Latin America. This makes the country well-positioned for telecommunications growth, digital transformation, and reliable high-speed internet access.

Dominican Republic lays fiber optic cable

Imports by Country In 2025, China (X tons) was the main supplier of optical fiber, bundle and cable to the Dominican

Fiber-optic connections are becoming increasingly common in urban areas, ensuring fast and stable internet for work

Telxius launches a high-capacity submarine cable linking the Dominican Republic, Puerto Rico, and the U.S. to

Its extensive network includes eight next-generation fiber optic submarine cables and terrestrial backhauls together

The route is in service from April 2024 and serves as a vital link between the Caribbean and the U.S., as well as wider

These providers offer a range of internet services such as fiber optic, cable, and DSL connections. In 2026, the average monthly

Find Economical Suppliers of Fiber Optic Cables: 30 Manufacturers in Dominican Republic based on Export data till Dec-25: Pricing,

About Exports In 2024, Dominican Republic exported \$31.9k of Optical fibres and cables, making it the 115th largest exporter of

As part of its Digital Agenda 2030, the Dominican Republic is rapidly expanding fiber networks, data centers, and smart

In 2025, China (X tons) was the main optical fiber cables supplier to the Dominican Republic, with a X% share of total

TAM-1 is the first fiber optic cable specifically designed to meet the exploding demand for data in the trans Americas region,

The investment, declared a high national priority by the Dominican government, will triple the number of direct cables

Telecommunications in the Dominican Republic include radio, television, fixed and mobile telephones, and the Internet. Numerous

Dominican Republic lays fiber optic cable

Imports into the Dominican Republic In 2025, overseas purchases of optical fibers and bundles decreased by X% to X

ARCOS-1 The Americas Region Caribbean Ring System (ARCOS-1) is a fiber optic submarine communications cable of 8,400

Telxius, a leading global connectivity provider, opened its latest submarine cable route with the extension of SAm-1

Web: <https://bssoda.pl>

