Does Venezuela use fiber optic or cable



Overview

Venezuela plans 5G and fiber optic expansion through 2031Venezuela seeks to modernize its digital infrastructure with 36,000 km of fiber optic cable and 50.

Key Takeaways

Venezuela primarily uses fiber optic connections in urban areas, though cable internet is also available through private providers.Fiber Optic Deployment

Venezuela has significantly expanded its fiber optic infrastructure, with coverage reaching approximately 65% of urban areas by 2026 . The state-owned CANTV has been rolling out its “ABA Ultra” fiber service, upgrading from older copper lines to fiber optics as part of the National Telecom Plan 2025-2031 . Private companies such as NetUno, Fibex, Inter, and Thundernet also provide fiber-to-the-home (FTTH) services, offering speeds ranging from 100 Mbps to 300 Mbps in major cities . Fiber optic cables are often installed alongside electricity lines, which facilitates deployment but can make them vulnerable to outages caused by electrical issues or weather .

Cable Internet

Cable internet remains available, primarily through private providers like Inter, which offers triple-play packages combining cable TV, cable modem internet, and telephony . While cable services are still in use, fiber optic connections are increasingly preferred due to higher speeds and reliability.

Other Connectivity Options

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In addition to fiber and cable, Venezuela also has ADSL, satellite, and mobile broadband options. Mobile 4G coverage reaches roughly 70% of the population, and wireless broadband is used in areas where fiber or cable is less accessible . However, internet quality can vary significantly between urban and rural areas, and frequent power outages can affect connectivity .

Summary
• Primary technology in urban areas: Fiber optic (FTTH)

• Secondary technology: Cable internet, ADSL, satellite, and mobile broadband

• Major providers: CANTV (state), NetUno, Inter, Fibex, Thundernet (private)

• Typical speeds: 100–300 Mbps for fiber, lower for cable and ADSL

• Coverage: Fiber optic covers 65% of urban regions; mobile broadband extends to 70% of the population Overall, fiber optic is the dominant technology for high-speed internet in Venezuela, especially in cities, while cable remains a viable alternative in certain areas.

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Key Insight: Venezuela has made significant progress in expanding its fiber optic infrastructure, reaching 65% coverage in urban

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2026 report on Venezuela''s fiber optic coverage and internet usage, highlighting digital growth and connectivity advancements.

Fiber vs. Cable

With cable, data is transferred via coaxial television cable, which is made of copper, aluminum and plastic

How The Internet Travels Across Oceans

99% of all internet traffic – from this video to your Pokemon Go account to your family

The Ultimate Guide to Fiber Optic Cable: Understanding

What is Fiber Optic Cable, and How Does it Work? Introduction to Fiber Optic Cable A fiber

What Is Fiber Optics? Definition from SearchNetworking

For example, Verizon and Google use fiber optics in their Verizon Fios and Google Fiber services, respectively,

Cuba welcomes new internet cable link with Venezuela

Cuba hails the arrival of a fibre-optic communications cable linking it to Venezuela as a breach in the US trade embargo.

Fiber vs Cable Internet 2025: Speed, Reliability & Cost

A common question is “Is fiber optic better than cable”? This guide compares fiber-optic cable and

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An optical fiber patching cabinet. The yellow cables are single-mode fibers; the orange and blue cables are multi-mode fibers:

Venezuela: Fiber-optic cable to Cuba is working

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An undersea fiber-optic cable that was laid last year between Venezuela and Cuba is working, a Venezuelan

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