

Uzbekistan to Fiber Optic Cable Route



Summary of Content

Uzbekistan is working to connect to a trans-Caspian fiber-optic cable linking Kazakhstan and Azerbaijan, creating an alternative international internet route with multi-billion-dollar potential.

Project Overview

Uzbekistan is planning to link its digital infrastructure to a fiber-optic cable running along the Caspian Sea seabed from Kazakhstan to Azerbaijan, part of the broader Trans-Caspian Fiber Optic Cable project . This connection aims to diversify Uzbekistan's internet routes, reducing reliance on Russian-controlled networks and enhancing secure, high-speed international communications . The project is considered strategically and economically important, supporting Uzbekistan's digital modernization and integration into the Middle Corridor trade network backed by the US and EU .

Technical Details

The trans-Caspian cable spans approximately 380 km between Sumgayit (Azerbaijan) and Aktau (Kazakhstan), with a planned capacity of up to 400 Tbit/s, enabling high-volume data transmission . Construction is expected to be completed by the end of 2026 . Uzbekistan is engaging the Saudi-based company DataVolt to facilitate its connection to this international communications line, with potential partnerships involving major tech firms like Oracle and Amazon to expand the digital economy .

Strategic and Economic Significance

Connecting to this fiber-optic line will provide Uzbekistan with:

- Alternative internet routes, reducing dependence on Russian-controlled traffic .

Article Content

The Trans-Caspian Fiber-optic Cable Construction Progresses to the

“This year, we signed a contract for the construction of the Trans-Caspian fiber-optic cable across the Caspian Sea and reached our

Strategic breakthrough: Undersea cable across the Caspian to link ...

This project holds strategic significance for the region, involving the installation of a fiber-optic cable along the

Uzbekistan Fibre Optic Cable Market (2025-2031) | Trends, Outlook ...

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

Uzbekistan Fiber Optic Cables Market (2025-2031) | Analysis & Forecast

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Uzbekistan Fiber Optic Cable Market (2025-2031) | Size & Trends

Uzbekistan Fiber Optic Cable Market Size Growth Rate The Uzbekistan Fiber Optic Cable Market is projected to witness mixed

Trans-Caspian fiber-optic cable project will create a new

The flagship project, the Transcaspian Fibre Optic Cable Line, will become the first direct

Uzbekistan to further develop telecommunications infrastructure

Fiber-optic communication lines will be delivered to all settlements, and at least 80% of households will be provided

Underground Fiber Optic Cable Installation: Comprehensive Guide

Explore the process and benefits of underground fiber optic cable installation. Learn how this infrastructure

Marine Route Survey Launched for Trans-Caspian Fiber Optic Cable ...

This research will enable the identification of the shortest, safest, and most environmentally sustainable route for the

Uzbekistan seeks to connect to underwater communication line

The Trans-Caspian Cable Project envisions the construction of a 380-kilometer fiber-optic communication line along the bottom of

Fiber Atlantic

This interactive submarine cable map shows the global undersea fiber optic cables connecting world. Explore cable routes, landing

Uzbekistan is radically improving its telecommunications infrastructure ...

Specifically, Global Optical Communication Uzbekistan, which specializes in production of fiber-optic communication cables

Fiber optic communication networks will be designed and deployed in ...

The Republic of Uzbekistan has applied for financing from the World Bank toward the cost of the Electricity Sector

Fiber Map of the World 2026

Understanding Data Transmission and Bandwidth Fiber Maps and Their Role in Data Route Optimization Fiber maps visualize the

Kazakhstan, Azerbaijan Launch Active Phase of Underwater Fiber-Optic ...

ASTANA – Kazakhstan and Azerbaijan have officially commenced the active phase of a telecommunications project to

Uzbekistan Fiber Optic Cable Market (2025-2031) | Size & Trends

By 2027, Uzbekistan's Fiber Optic Cable market is forecasted to achieve a growing growth rate of 5.42%, with China leading the Asia

Euronews Airs Special Program on Trans-Caspian Fiber-Optic Cable

Baku: Euronews aired a special program on the Trans-Caspian Fiber-Optic Cable Line, one of the region's most

Undersea Internet Across the Caspian: A New Era of

On March 4, a significant milestone was reached in Baku with the signing of an agreement

Reinventing Fiber Rollout Economics in Central Asia

Central Asia's fiber rollout economics, particularly via the Trans-Caspian Fiber-Optic Cable, significantly reduces

OpenFiberMap — Global Fiber Optic Network Map

Free, open-source, interactive 3D map of the world's terrestrial fiber optic networks. Browse routes, IXPs, data centers, and landing

Euronews Highlights Trans-Caspian Fiber-Optic Cable Line on

The "Azerbaijan Diary" program highlighted that, as a key component of the Digital Silk Way initiative, the project

The Operation of Cross-Border Terrestrial Fibre-Optic Networks

Phase 1 of the CA-IS mainly constructed the cross-border fibre-optic cables between China, Kyrgyzstan and Uzbekistan. Similar to

Fiber-optic cable

A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but

Trans-Caspian Fiber-Optic Cable Project in Spotlight After President ...

The large-scale infrastructure project aims to build a high-capacity transit fiber-optic network linking Europe with

Trans-Caspian fiber optic cable line construction strengthens digital ...

The next stage of constructing the Trans-Caspian Fiber Optic Cable Line, a key component of the Digital Silk Way

Trans-Caspian Fiber Optic

The Trans-Caspian Fiber Optic Cable Project is a backbone fiber-optic cable on the Azerbaijan-Kazakhstan route through the

Uzbekistan Fibre Optic Cables Market (2025-2031)

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

Yusif Jabbarov: Digital Silk Way's New Phase Connects Region

This strategic project involves the construction of a 380 km-long fiber-optic cable line across the Caspian Sea,

Kazakhstan and Uzbekistan Distancing Themselves

Kazakhstan and Uzbekistan are working to lessen their digital reliance on Russia while

Kazakhstan, Uzbekistan putting digital distance

Kazakhstan and Uzbekistan are striving to reduce their digital dependence on Russia and

Internet Infrastructure Map (2026)

Explore the physical backbone of the internet with our interactive map of undersea fiber optic cables, peering exchange points, and

Telecommunication

In subsequent years, work will be carried out to provide all settlements of the republic with a fiber-optic network,

Trans-Caspian Fiber Optic

The first phase envisages the construction of a backbone fiber-optic cable on the Azerbaijan-Kazakhstan route through the bottom of

Uzbekistan lays 7,800 kilometers of fiber-optic communication lines

In particular, it is planned to install 2,200 3G / 4G base stations this year. As part of the development of

Trans-Caspian Fiber-Optic Cable Project Reaches Key Milestone with ...

This milestone confirms that the proposed fiber-optic route meets international engineering standards and adheres to

Telecommunications in Uzbekistan

Uzbekistan is linked by fiber-optic cable or microwave radio relay with CIS member states and to other countries by leased

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