

Algeria Fiber Optic Cable Construction



AI Overview

Algeria is rapidly expanding its fiber optic infrastructure through undersea cables, national FTTx networks, and domestic manufacturing to enhance connectivity and digital transformation.

Undersea Cable Projects Algeria is actively developing its submarine fiber optic network to meet growing data demand. The Medusa cable, spanning over 8,700 km, connects Algeria to multiple Mediterranean countries with a capacity of 20 terabits per second per fiber pair. Construction occurred from 2023 to 2026, with full commissioning expected in early 2027, positioning Algeria as a key regional connectivity hub and supporting 5G, cloud computing, and digital sovereignty initiatives. Additionally, the Africa-1 cable is expected to enter service in 2026, offering 200–300 Gbps capacity. Algeria currently connects to five other submarine cables, including TE North, SeaMeWe-4, and ORVAL, with a total installed capacity of 10.2 terabits per second.

National FTTx Deployment Algeria Telecom, in partnership with FiberHome, is accelerating the rollout of FTTx optical access networks to replace aging copper infrastructure. Since 2019, FiberHome has helped Algeria transition from MSAN to GPON/XGSPON networks, deploying Wi-Fi 6 ONTs, ODN passive equipment, and drop cables. By the end of 2023, over 1.08 million households had access to FTTx, up from 53,000 in 2020. This expansion is part of a national broadband strategy to provide high-speed internet across urban and remote areas, including the Sahara Desert.

Trans-Saharan Fiber Optic Backbone Algeria is also completing the Trans-Saharan fiber-optic backbone, with nearly 2,600 km of cable linking Algiers to In Guezzam and extending to Tindouf. This project connects Algeria with Niger, Nigeria, Chad, Mali, and Mauritania, enabling non-coastal African countries to access high-speed internet and fostering digital trade and financial services.

Domestic Fiber Manufacturing To support these initiatives, Algeria has developed domestic fiber optic manufacturing capabilities through companies like Polaris, which...

Article Content

Algeria Completes 2,600 km of Trans-Saharan Fiber

Algeria has made significant progress in strengthening its digital infrastructure by completing a 2,600 km segment of fiber optics, a key component of the Trans

COMPANY PROFILE

COMPANY PROFILE CATEL - Telecommunications Cables Of Algeria industrial company specialized in copper and fiber optic telecommunications cables. The company's aim is to provide durable and

8,700 km of fibre optic cable: Algeria connects th... | Algeria Invest

The Medusa project is a strategic infrastructure comprising over 8,700 kilometres of submarine cables, designed to connect more than a dozen Mediterranean countries. With a capacity of 20 terabits per

Transsaharan Fibre Optic Backbone

The project of Trans-Sahara Optical Fibre Backbone is included within the “New Partnership for Africa's Development” (NEPAD). It links six countries: Algeria, Niger, Nigeria, Chad, Mali and Mauritania.

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Trans-Saharan Optic Fibre Broadband Project

Major terrestrial broadband backbone designed to convey bandwidth capacity from coasts to hinterland and provide alternative gateway to Europe through Algiers. Serves the existing Trans-Sahara

Master Your Fibre Optic Installation: Step-by-Step Best Practices

This comprehensive guide delves into the intricacies of fiber optic installation, exploring topics ranging from cable types and pre-installation considerations to execution, safety protocols,

Algeria Telecom Partnership with FiberHome to Accelerate FTTH

In January 2023, FiberHome implemented Algeria's first pure optical access network in Bordj Badji Mokhtar, a small town deep in the Sahara Desert. In November of the same year, Algeria

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Unlike traditional copper wire connections, fiber-optic cables offer faster speeds, greater bandwidth, and are less susceptible to interference. Learn more about fiber-optic internet connections [here](#).

Trans-saharan fiber optic backbone

The “Trans-Saharan fiber optic backbone” project is a part of the initiative of the new partnership for the development of Africa “NEPAD” linking six countries: Algeria, Niger, Nigeria, Chad, Mali and Mauritania.

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Algeria Makes Its Own Fiber: The Sovereignty Play

For most of the fiber-optic deployment era, Algeria sourced cables, connectors, and related components from international suppliers —

Construction of Medusa subsea cable commences

Construction will be done by ASN and Elettra Tlc and will see an 8,700km 24-pair fiber optic cable offering 20Tbps of capacity per fiber pair

Algeria announces the country's connection to a 4th optical fiber ...

From next month, Algeria will connect to a new submarine fiber optic cable. Brahim Boumzar the Minister of Telecoms revealed it on September 7th. This will be the 4 th infrastructure broadband

Submarine Cable Map 2025

Submarine Cable Map 2025 This new edition depicts 597 cable systems and 1,712 landings that are currently active or under construction. Explore the map

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NZDF Optic Fiber We invent a new type of optical fiber, Non-Zero Dispersion Fiber (NZDF), that becomes widely deployed in intercontinental and long-haul

Algeria Govt Tender for Creation of reception infrastructure ...

The ALGÉRIE TELECOM has issued a Tender notice for the procurement of a Creation of reception infrastructure, installation and connection of fiber optic cables” in the Algeria.

Algeria's Evolving Telecom Landscape

Connectivity Growth: The growth in fixed broadband revenue has been attributed to investments in submarine fiber optic cable deployment to

MarketsandMarkets

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Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Medusa Cable System Construction Contract Comes

The construction has been awarded to industry leaders ASN and Elettra Tlc. The Medusa system is built on stateof-the-art 24-pair fiber optic Open

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Algeria targets full fiber-optic coverage by early 2027, says Zerrouki

ALGIERS - The Minister of Post and Telecommunications, Sid Ali Zerrouki, stressed on Saturday in Algiers that all outdated copper cables are set to be replaced with fiber-optic...

Contact Us

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