

What is the longest optical fiber cable in Algeria



Overview

The Alval (Algiers-Valence) and Orval (Oran-Valence) fiber-optic submarine cable precisely links the national communication network, from El Djamila station in Algiers and that of Oran, to the European network, at the city of Valencia. Its length exceeds 770 km of optical fiber. Algeria has taken another major step forward in its digital transition with the official launch of the Medusa submarine fibre optic cable, announced on Thursday at the port of Algiers by the Minister of Post and Telecommunications, Sid Ali Zerrouki. The Medusa project is a strategic infrastructure. ALGIERS – The Alval / Orval fiber optic submarine cable system (connecting Algiers and Oran to Valencia in Spain) is finally operational and its effective commissioning will allow Algeria to have, in the long term, a capacity of up to up to 40 Terabits, nearly 20 times the current needs of the. The Medusa submarine cable system — over 8,700 km, 24 fiber pairs, 480 Tbps total capacity, backed by EUR 342 million in investment and EU Global Gateway funding — is actively deploying across the Mediterranean. Phase 1 landings in Marseille, Bizerte, and Nador were completed between October and. About 200,000 km (120,000 mi) of fiber optic cables had been deployed as of December 31, 2021. Completed the Trans-Kalahari Fibre Optic Project in 2008. In 2018, Mascom announced they would be laying Botswana's "first fibre-to-the-home service.



Article Content

Set Up a Fiber-Optic Network in Your Home or Office

Learn about the various fiber-optic components used for running fiber in your house, office, or between buildings. Find out how to use fiber optics for

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

Medusa Subsea Cable to Boost Algeria's Connectivity by 2026

The Medusa cable is a critical element in developing Algeria's digital infrastructure. It will provide increased bandwidth and faster data transfer rates, supporting the country's burgeoning

Algeria Fiber Optic Cable Market 2023-2030

With greater bandwidth and throughput rates than possible with conventional electrical communication lines, these cables are used to transmit data signals in the form of light pulses over

Alval / Orval

In March 2015, the Algerian Ministry of Post, Information Technology and Communications and Alcatel Submarine Networks (ASN) signed a turnkey agreement for the deployment of the Orval system, an

Algeria's 400G Backbone: Why It Changes Everything

Advertisement Why the 400G Backbone Changes Algeria's Infrastructure Equation On February 21, 2025, Algerie Telecom and Huawei officially launched a nationwide 400G wavelength

IRGC to undersea fiber-optic cables and cloud data networks in the ...

IRGC has issued a chilling warning, identifying undersea fiber-optic cables and cloud-based data networks as legitimate "strategic targets" in the Persian Gulf.

ALVAL/ORVAL Cable System in Service

The Alval (Algiers-Valence) and Orval (Oran-Valence) fiber-optic submarine cable precisely links the national communication network, from El Djamila station in Algiers and that of

Algeria: the number of homes connected by fiber has increased by

Algeria: the number of homes connected by fiber has increased by 2730% in 4 years The Algerian Ministry of Post and Telecommunications announced last week that the number of

Optical networks

An optical transport network is a high-speed communication system that sends light signals over fiber-optic cables to move large amounts of data across long

The Medusa Submarine Cable: How a EUR 342 Million

The EUR 342M Medusa submarine cable lands in Algeria in 2026, adding 480 Tbps capacity across 8,700 km of Mediterranean fiber linking Europe and North Africa.

Algeria Fiber Optic Cable Market 2023-2030

ALGERIA FIBER OPTIC CABLE MARKET INTRODUCTION Fiber optic networks are replacing copper wire networks quickly in the world of telecommunications. A very thin piece of pure

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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

List of terrestrial fibre optic cable projects in Africa

In 2011, the Malian government announced a 942 km fibre optic cable project linking Bamako-Gao-Kidal-Tin-Zaoutière to the Algerian border and Gap-Ansongo-Labezanga to the border of Niger. The

SEA-ME-WE 4

The route of the submarine cable (red); the blue segment is dy 1 6 South East Asia-Middle East-Western Europe 4 (SEA-ME-WE 4) is an optical fibre

World's longest subsea cable completed: Meta's 2Africa

Meta and its consortium partners have completed the core 2Africa subsea cable system, marking a major milestone in what is set to become the

Algeria's Optical Fiber Cables Market Report 2026

This report provides a comprehensive view of the optical fiber cables industry in Algeria, tracking demand, supply, and trade flows across the national value chain.

Algeria's Fiber Optic Home Connections Surge to 1.5 Million ...

Algeria has seen a remarkable growth of 2,730% in fibre optic home (FTTH) connections, reaching 1.5 million subscribers since November 2020. The expansion is part of a government-led

The Fiber Optic Boom in 2025: What You Need to Know

In 2025, the fiber optic industry is not just growing—it's transforming. From transcontinental cables to cutting-edge sensor technology, global investments and innovations are

Austria Optical Fibre Tenders, Bids and RFP

TendersOnTime is the best website, when it comes to Global Tenders Search for Optical Fibre eTenders from Austria. Users can get complete tender detail of products like: optical cable accessories

Understanding Butterfly Drop Cable Trends and Growth Dynamics

Product Substitutes: While other fiber optic cable types exist, butterfly drop cables remain competitive due to their cost-effectiveness and suitability for specific deployment scenarios. Wireless

Algeria: Households Connected to Fiber Internet Surge by 2730% in

Fiber optic internet for businesses and homes was launched in Algeria in 2018. By November 2023, the service exceeded one million subscribers. Algeria's Ministry of Post and Telecommunications

Algeria Fibre Optic Cables Market | Share, Size & Volume 2031

Key trends in the Algeria fibre optic cables market include the increasing adoption of Single-mode Cables, which are preferred for long-distance data transmission due to their superior bandwidth and

Algeria Fibre Optic Cables Market | Share, Size & Volume 2031

The Algeria Fibre Optic Cables Market has been driven by the increasing demand for high-speed internet across the country.

Contact Us

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