

Libya Overseas Warehouse Extends Long-Distance Optical Cable 8 Cores



AI Overview

Libya has extended its digital infrastructure with the 8-core Medusa submarine cable, connecting the country to Europe and enhancing regional telecommunications. Overview of the Medusa Cable The Medusa submarine cable is an 8,700-kilometre fibre-optic network designed to link Libya directly with Europe and other Mediterranean countries, including Italy, Spain, Portugal, Morocco, Tunisia, Greece, Egypt, and Cyprus . The system features 24 fibre pairs with a capacity of 20 terabits per second per pair, supporting high-speed, long-distance data transmission . Libya's participation in the project is facilitated through the Libyan United International Company for Telecommunication and Technology (LUIC) and the Libyan Post, Telecommunications and Information Technology Company (LPTIC), which have established landing stations in Tripoli, Benghazi, and Misrata . Technical and Operational Features 8-core design: Each core supports high-capacity data channels, enabling robust long-distance connectivity. High-speed transmission: Optimized for coherent submarine fiber technology, the cable can handle 10 Tbit/s per fiber pair, ensuring future scalability . Energy efficiency and upgradeability: The cable is designed for long-term operation with a 25-year design life, allowing capacity expansion as data traffic grows . Domestic connectivity: A complementary 1,000 km undersea cable links Tripoli to Benghazi, enhancing internal broadband infrastructure and supporting 5G rollout and data center expansion . Strategic and Economic Impact The Medusa cable positions Libya as a regional digital hub, enabling the country to export telecommunications and internet services to neighboring African nations . Key benefits include: Improved internet quality and speed in major cities, facilitating 5G networks and cloud computing services . Enhanced digital sovereignty...

Article Content

Libyan Fiber Optic Network (LFON) Submarine Cable | Capacity,

Learn more about Libyan Fiber Optic Network (LFON). Detailed information, ownership, capacity and routing.

Medusa subsea cable to land in Libya

The Medusa Submarine Cable System this week announced a deal with the state-owned Libyan United International for Telecommunication and Technology (LUIC) to land the cable in Tripoli

Libya's Digital Leap Forward with Medusa Cable

Libya has formally integrated into the Medusa subsea cable system, marking a pivotal advancement in its telecommunications infrastructure. This

Libya Launches Medusa Cable to Enhance Connectivity

Launched on May 11, the 8,700-kilometer cable connects Libya directly to Europe's extensive digital infrastructure, paving the way for deeper

Libya launches Medusa submarine cable project connecting to Europe

The Libyan Post, Telecommunications and Information Technology Company (LPTIC) has launched the "Medusa" submarine cable project, a strategic initiative connecting Libya to Europe

Libya telecom holding company launches medusa submarine cable

The Libyan Post, Telecommunications and Information Technology Company (LPTIC) has announced the launching of the "Medusa" submarine cable project, one of the strategic initiatives

Libya's Optical Fibers, Bundles and Cables Market Report 2026

Imports of Optical Fibers, Bundles and Cables Imports into Libya In 2025, optical fiber, bundle and cable imports into Libya soared to X tons, jumping by X% against the previous year's

Libya's Digital Leap Forward with Medusa Cable

This 8,700-kilometre fibre-optic network, encompassing 24 fibre pairs and a capacity of 20 terabits per second per pair, is set to connect 11 countries

Libya Completes Silphium Submarine Cable Linking to Greece

The Libyan International Telecoms Company has completed the Silphium submarine cable, enhancing Libya's internet capacity and strategic digital infrastructure.

Libya Launches Medusa Subsea Cable

Libya activates the 8,700-km Medusa cable, enhancing digital connectivity and positioning itself as a regional telecom hub.

Libya Launches Medusa Subsea Cable | Samoa

In a bold stride toward digital integration and technological advancement, Libya has inaugurated on May 11 the Medusa submarine cable project—an 8,700-kilometre

Italy-Libya Submarine Cable | 570 km, RFS 1998

Italy-Libya: 570 km submarine cable, owners Libya International Telecommunications Company & Sparkle, RFS 1998. GeoCables shows route + live latency.

Applications and Development of Multi-Core Optical Fibers

Multi-core optical fiber, with its ability to transmit multiple signals simultaneously, has emerged as a promising solution to meet this demand. Additionally, due to its characteristics such as

LITC: Powering Libya's Global Telecom Connections

LITC is driving Libya's international telecom ambitions, linking Africa to Europe through fibre cables and wholesale voice/data services.

Paper Title (use style: paper title)

Abstract—This paper gives a general view on the current Access Network (AN) and the future options for the Libyan Optical Access Network (OAN) market.

Libya Inaugurates Medusa Submarine Cable to Boost

Libya signs contract to connect to Medusa submarine cable. Libya has inaugurated the Medusa submarine cable project, an 8,700 km connection to

Silphium

Silphium is the third Libyan international submarine cable system, in addition to Europe India Gateway (EIG) and Italy-Libya. There is also a domestic submarine cable system in Libyan, the Libyan Fiber

Libya: Silphium undersea fiber cable launched

Silphium connects traffic from Libya to many European Internet hubs via the landing point in Chania, which OTEGLOBE will operate. It is the third undersea fiber-optic cable to serve the

Telecommunications fiber optic cables in Libya

Overview This 8,700-kilometre fibre-optic network, encompassing 24 fibre pairs and a capacity of 20 terabits per second per pair, is set to connect 11 countries across the Mediterranean, including Libya,

Libya Project Quotation 6 Large-Diameter Fiber Optic Cores

Libya will connect to the Medusa submarine fiber optic cable that The Libyan United International Company (LUIC), a consortium formed by several Libyan private sector companies working in the

Medusa and Libyan United International partner to land cable in Libya

With this new agreement, Medusa will connect 11 countries through its landing points in Portugal, Morocco, Spain, France, Algeria, Tunisia, Italy, Greece, Cyprus, Egypt, and now Libya.

Importance of Tripoli-Mazara submarine line in Libya

The Tripoli-Mazara submarine cable system is a major step forward in modernizing Libya's telecommunications infrastructure. Connecting Libya and Italy, this project enhances the

Optical Access Networks in Libya: Options and Directions

Local carriers have long been interested in passive optical networks for the benefits they offer: minimal fiber infrastructure and no powering requirement in the outside plant.

Italy and Libya Sign Submarine Cable Agreement to Enhance Digital ...

Libya's LPTIC signs a new agreement to enhance submarine cable connectivity with Italy, aiming to position Libya as a strategic digital gateway.

Libya to connect with Medusa submarine cable project

Tripoli, Libya (PortSEurope) November 6, 2023 - Last week, Libya International United Telecommunications Company (LUIC) and the Medusa Company signed a contract to connect Libya

Medusa subsea cable to land in Libya

The pan-Mediterranean Medusa subsea cable is to land in two locations in Libya. The Medusa Submarine Cable System this week announced

Sparkle and LITC of Libya upgrade the Italy-Libya bilateral cable to ...

Sparkle, the International Services arm of Telecom Italia Group, and Libyan International Telecommunications Company LITC announce the enhancement to 100 Gbps technology of the

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://adikor.eu>

Email: info@adikor.eu

Phone: +33 6 48 37 92 15

Address: 12 Rue de la Paix, 75002 Paris, France

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