

Libya Optical Cable Access Solution



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, by the end of 2025. Libya has formally integrated into the Medusa subsea cable system, marking a pivotal advancement in its telecommunications infrastructure. In this earlier generation. In strategic partnership with the General Electricity Company of Libya (GECOL), Global Technology Company is deploying a 14,000 km nationwide optical fiber backbone to power the next decade of digital transformation. Leading Libya's telecommunications infrastructure transformation through strategic. The pan-Mediterranean Medusa subsea cable is to land in two locations in Libya. Work is underway through several workshops with stakeholders.



Article Content

May 30, 2026

Migration Towards All-Optical Networks: A Case Study

It highlights the key components used in transition to fully optical network, including the unique all-optical cross-connects.

Oct 23, 2025

Libya National Fiber Network Build

Global Technology Company is a Libyan technology integrator specializing in national-scale telecommunications and optical network solutions. From long-haul optical transport to next

Jan 08, 2026

Medusa subsea cable to land in Libya

The cable is set to land in Libya by the end of 2025. The 8,700km 24-pair fiber optic cable offering 20Tbps of capacity per fiber pair will connect

Oct 26, 2025

Migration towards All-Optical Networks: A Case Study of Optical

Fiber-optic cables in Libya will be the backbone of the information and data highways forming the Internet in the years to come. Fiber-optic cables allow broadband connectivity to fulfill the need of the

Feb 27, 2026

Dar Taqnya

Dar EL-Taqnya is a Libyan company that offers IT and Telecommunication solutions. It was established in 2003 and known as Magna, and in 2008, the

Mar 04, 2026

Internet Access in Libya: A Comprehensive Overview

To bridge this gap, Libya has also pursued fiber-optic transmission projects: notably, a new 1,000 km undersea fiber cable is being built along the

Jun 02, 2026

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

Feb 12, 2026

Libyan Undersea Fiber-Optic Cable System Silphium Launches

Silphium, the first wholly owned submarine cable system targeted at the Libyan telecommunications market, is now operational. Libyan International Telecom Co. (LITC), the system owner, made the

Oct 15, 2025

Libya Inks Deal for Medusa Submarine Cable Connection

The Libyan United International Company (LUIC), one of the newly established private sector companies working in the field of communications,

Jun 14, 2026

Libya taps into Europe's digital artery with launch of Medusa subsea

With the Medusa cable, the cities of Tripoli, Misrata, and Benghazi are set to experience a surge in internet quality and speed, paving the way for robust 5G networks, the expansion of data

Aug 19, 2025

Libya's Optical Fiber Cables Market Report 2026

Optical Fiber Cables Imports Imports into Libya Optical fiber cables imports into Libya skyrocketed to X tons in 2025, with an increase of X% on the year before. In general, imports,

Oct 11, 2025

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

Prodcom 27311200 - Optical fibres and optical fibre bundles, optical fibre cables (except those made up of individually sheathed fibres) This report provides a consistent view of market size,

Mar 13, 2026

Submarine Cable Map

TeleGeography's comprehensive and regularly updated interactive map of the world's major submarine cable systems and landing stations.

Nov 21, 2025

Designing and Analysis of (FTTH) Fiber to the Home Network for the ...

Fibre to the Home (FTTH) is a cutting-edge technology that involves delivering optical fibres directly to individual residences. Its advanced design enables high-speed and reliable broadband internet

Jan 11, 2026

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

This interactive submarine cable map shows global undersea and underwater fiber optic cables connecting continents and countries worldwide. Explore cable routes, landing stations, system status

Jan 07, 2026

Libya Fiber Optics, Fiber Optic Cables: Advantages, Disadvantages,

The 8,700km 24-pair fiber optic cable offering 20Tbps of capacity per fiber pair will connect Morocco, .Passive optical networks are the most important class of fiber access systems in the...

Jun 22, 2026

tech solutions – tech solutions services

Design, implement and import all accessories and requirements for communication networks such as (fiber optic cables, power cables, cable connection and organization accessories, equipment holders,

Nov 28, 2025

Fiber Optic – AFAQ ICT | Information Communication Technology

Fiber Optic We provider of telecom and IT solutions with a strong focus on fiber optic technology Afaq ICT provider telecom Libya, with a strong focus on fiber optic technology. The company offers a

Jun 13, 2026

Fiber Optic – AFAQ ICT | Information Communication Technology

The company offers a wide range of services, including fiber optic network design, installation, and maintenance, as well as fiber optic cable testing and certification.

Dec 11, 2025

Hatif Libya inked a fiber optic network with U.S. firm

Libya's government-owned telecom Hatif Libya signed on Monday an agreement to improve its fiber optic network with an U.S.-based supplier of open

Feb 09, 2026

Prysmian to Supply Optical Cable to Libya

Prysmian Cables & Systems, based in Milan, Italy, has secured a contract to supply 6300 km of fiber optic cable to Libya. The cable will form the backbone of the new telecommunications network of the

Jul 30, 2025

Digital Transformation

This project aims, in collaboration between Libyan Telecommunications Company, Libya Telecom & Technology, and Hatif Libya, to connect the Office of the Public

May 19, 2026

Libya National Fiber Network Build

From long-haul optical transport to next-generation FTTX access networks, we design, build, and operate resilient digital infrastructure for public and private organizations.

Jun 02, 2026

Technology Leaders Telecom Company (TLT) – specializes in

We deliver comprehensive solutions that connect communities, power businesses, and drive national progress. From telecom tower construction to advanced fiber optic networks, from surveillance

Jan 02, 2026

Libyan undersea fiber-optic cable system Silphium launches

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 Libyan market.

Sep 11, 2025

Libya Launches Medusa Cable to Enhance

As Libya strives for greater digital sovereignty and seeks to revitalize its economy, the Medusa cable is positioned as a vital technological

Aug 24, 2025

Hatif Libya Deploys Infinera's Automatically Switched

Hatif Libya, a LPTIC subsidiary company, has signed a groundbreaking agreement with California-based Infinera to expand and

May 18, 2026

Libya signs contract to connect to Medusa submarine

Libya has now formally acknowledged that it will be connecting to the Medusa submarine cable project. The Medusa submarine cable system will

Contact Us

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