

## Libya Self-Supporting Optical Cable



### 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. The development of the strategic plan for the holding company and group companies aligns with the vision of the Libyan Holding Company LDT 2030. Work is underway through several workshops with stakeholders. The Medusa project, spearheaded by AFR-IX Telecom and supported by the European. The Medusa subsea cable is a new transformative, open-access infrastructure connecting North Africa and Europe with high-capacity fiber links. This marks the beginning of a new digital.



## Article Content

### 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,

### 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

### Libya's Optical Fiber Cables Market Report 2026

The analysis is designed to support strategic planning, market entry, portfolio prioritization, and risk management in the optical fiber cables landscape in Libya.

### Libya Fibre Optic Cables Market (2025-2031) | Companies & Share

6Wresearch actively monitors the Libya Fibre Optic Cables Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and forecast outlook.

### 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'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

### Nokia selected for Medusa subsea cable system to bring new

The Medusa subsea cable is a significant step toward closing the digital divide between Europe and North Africa, connecting countries such as Morocco, Tunisia, Libya, Algeria, and Egypt

### Introduction of Ribbon Optical Cable and All-Dielectric Self-Supporting ...

Discussion on the special use of optical cable Everyone who touches optical cables may not have access to those special-purpose optical cables, or only a part of them. Let us discuss the

### 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 field of communications, signed an agreement with Medusa

## A Deep Dive into Self Support Cable

A self support cable is a specialized type of fiber optical cable that integrates its own load-bearing elements, allowing it to be installed in overhead applications without the need for additional support

## Optical Access Networks in Libya: Options and Directions

This paper gives a general view on the current Access Network (AN) and the future options for the Libyan Optical Access Network (OAN) market. It starts by introducing the current

## 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

## Libya: Silphium undersea fiber cable launched

The cable links Darnah in Libya with Chania in Greece. Silphium connects traffic from Libya to many European Internet hubs via the landing point

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

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

## Libyan fibre deployments aid modernisation | Lightwave Online

When it lands in Libya, the EIG will provide the country with its second international undersea fibre-optic link. Libya is currently connected to Sicily via a fibre-optic cable supplied by Pirelli ...

## Medusa Cable Reaches Marseille, Marking the Start of

The Medusa submarine fiber optic cable system, owned by AFR-IX Telecom, has reached a major milestone with its first landing in Marseille,

## Nokia provides optical technology for new subsea cable

The Medusa cable will span the Mediterranean, Atlantic and Red Sea regions, linking countries including Morocco, Tunisia, Algeria, Libya and Egypt. The deployment aims to address

## Libyan Undersea Fiber-Optic Cable System Silphium Launches

It initially will support 10 Gbps per wavelength, but can be enhanced to 40 Gbps and 100 Gbps as traffic demands warrant. Silphium connects traffic from Libya to many European Internet hubs via the

## 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

## Exploring the Advancements in Fiber Optic Technology: OPGW and

Moving on to another groundbreaking innovation, All-Dielectric Self-Supporting (ADSS) cables are a game-changer in fiber optic technology. Unlike OPGW, ADSS cables are designed

## Medusa subsea cable inaugurated in Libya to boost

The Medusa Subsea Cable System has been officially inaugurated in Libya as it continues to add connections in Africa.

## Medusa Cable Launch Marks Digital Leap for Libya

The Medusa Subsea Cable System has officially landed in Libya, marking a significant milestone in efforts to rebuild and modernize the country's

## Submarine Cable Map

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

## Hatifa Libya, U.S. Infinera sign deal to upgrade Libya's

Hatifa Libya, part of state-run Libyan Telecommunication Holding Company LPTIC, has signed this week an agreement with California-based

## 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

## 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

## Libyan Fiber Optic Network (LFON) submarine cable system

Description Libyan Fiber Optic Network (LFON) is a unrepeated submarine cable system that is connected to 13 cable landing stations. It is operational since 1999 and privately

## Silphium

The Silphium cable system is a 425km repeaterless submarine cable system connecting Darnah in Libya with Chania in Greece, across the Mediterranean Sea.

## Contact Us

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