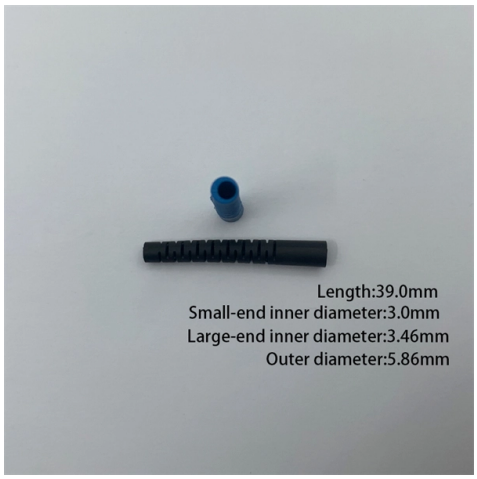
Density of Egyptian Optical Cable Lines



Overview

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

Key Takeaways

Egypt is a critical global hub for optical fiber cables, with 15 in-service submarine cables, 10 terrestrial crossing routes, and 10 cable landing stations, making it one of the densest fiber-optic networks in the world. Submarine Cable InfrastructureEgypt's strategic location between the Mediterranean and Red Seas makes it a chokepoint for global internet traffic, handling approximately 17% of worldwide internet traffic and over 90% of Europe–Asia communications. As of 2023, there are 15 in-service submarine cables landing in Egypt, with an additional 5 under construction, including major systems like 2Africa, HARP, EMIC-1, Africa-1, IEX, Medusa, and SMW6.

These cables connect Egypt digitally with Europe, Asia, and Africa, providing multiple subsystems to enhance capacity and redundancy.

Terrestrial Crossing Routes

To complement submarine cables, Telecom Egypt operates 10 diversified terrestrial Trans-Egypt routes linking the Red Sea to the Mediterranean Sea. These routes traverse the Sinai Peninsula and other areas to avoid shallow waters, providing resilience and redundancy for international traffic. The terrestrial network also includes Trans Border cables connecting Egypt to Libya, Sudan, and Jordan, further increasing the density and strategic importance of the network.

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Cable Landing Stations

Egypt has 10 submarine cable landing stations, evenly split between the Mediterranean and Red Sea coasts. Key landing stations include Port Said CLS, Ras Ghareb CLS, Zafarana CLS, Suez CLS, and Alexandria CLS. The new stations, such as Ras Ghareb and Port Said, were built to accommodate the 2Africa system and other new cables, creating diverse terrestrial crossing routes and enhancing network resilience.

Strategic Significance

The concentration of cables through Egypt mirrors the narrow Suez Canal corridor, making it a global communications chokepoint. The dense network allows Egypt to support its digital economy, IT services, and innovation sectors, while also making the country a focal point for international investment and strategic initiatives like China's Digital Silk Road. The high density, however, also increases vulnerability to accidental damage or deliberate sabotage, as seen in cable disruptions in 2024 and 2025 that affected connectivity across Asia, Europe, and the Middle East.

SummaryEgypt's optical cable network is among the densest in the world, combining 15 submarine cables, 10 terrestrial routes, and 10 landing stations. This infrastructure not only facilitates global internet traffic but also strengthens Egypt's position as a regional digital hub, while highlighting the strategic importance and potential vulnerabilities of this concentrated network.

Article Content

Submarine Cable Map 2024

By continuously progressing its infrastructure and connectivity, offering more resiliency, diversity and protection, Telecom Egypt now owns and operates a large number of subsea cables, connects cable

Egypt Cables Market | Size, Share & Trends 2032

High demand for cables in aerospace and defense sectors due to technological advancements. The Egypt Cables Market report thoroughly covers the market by installation type, voltage type, and end

Benya Cables

In 2020, Benya signed an agreement with the Arab Organization for Industrialization (AOI) to establish the largest factory for fiber-optic cables in the Middle East & Africa (Benya Cables), with investments

Submarine Cable Map

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

Egypt Fiber Optic Cable Market 2023-2030

Egypt intends to extend a subsea fibre-optic cable. The current step will see the launch of technical investigations to determine the route of the cable between the two countries beneath the

Egypt Active Optical Cable Market | Size, Share & Volume 2031

Moreover, as the demand for cloud computing and data centers continues to rise globally, Egypt is also expected to see an increase in the construction of these facilities. This will create a higher demand

Optical Cables Shed Light on Egypts Tech Development

Egypt''s development challenge has enormity and complexity, and explains why the country is not currently a development hotspot. To its credit the Egyptian government is touting its

Submarine Cable Map 2025

Telecom Egypt''s infrastructure projects aim to enhance the resilience of global high-density traffic routes, enabling its partners to expand, meet their communication needs, and ensure cost-effective network

Benya Cables

Benya Cables, a subsidiary of Benya Group, is the largest fiber optic cables manufacturer & passive network provider in Egypt and the MEA region. The company continues to prosper ever since the

Egypt''s Optical Fiber Cables Market Report 2026

The optical fiber cables market in Egypt operates within a global landscape dominated by China and the United States in both production and consumption. From 2020 to 2024, Egypt''s trade

The Strategic Future of Subsea Cables: Egypt Case Study

The concentration of subsea cables funneled through the narrow Red Sea cements Egypt''s status as a global hub and chokepoint. Strategic and economic choices to enhance

Egypt''s submarine cable stranglehold

Cable providers either declined to talk, or did not respond to requests for comment. “I am afraid I won''t be open to discuss the Egyptian submarine

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Wiring Egypt''s Future: The Rise of Cabling Infrastructure

Egypt''s ambitious digital transformation plans demand future-proof cabling solutions. This means embracing fiber optics, the gold standard for high-speed data transmission. Companies that invest in

Map of Africa with Coastal undersea Fiber-Optic Networks. Egypt Cable ...

Download scientific diagram | Map of Africa with Coastal undersea Fiber-Optic Networks. Egypt Cable Locations are Encircled. . from publication: Infrastructure Study for Solving Connectivity ...

FIBRE OPTIC CABLES GENERAL SPECIFICATIONS

FIBRE OPTIC CABLES GENERAL SPECIFICATIONS ... * All attenuation values are valid for cabled fibres ** Zero Water Peak

NTRA, HBRC Sign...

NTRA, HBRC Sign Protocol to Put Egyptian Fiber Optic Network Code into Force The National Telecom Regulatory Authority (NTRA) and the Housing and Building National Research

High Density Fiber Optic Cables in Emerging Markets: Analysis and ...

Discover the booming high-density fiber optic cable market! This comprehensive analysis reveals key trends, growth drivers, and leading companies shaping this multi-billion dollar industry.

The Strategic Future of Subsea Cables

The sheer concentration of cables funneling through the remarkably narrow Red Sea cements Egypt''s status as a global chokepoint in subsea cable systems, responsible for approximately 17 percent of

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