

# Global Optical Cable Network Map

## Overview

OpenFiberMap aggregates open-licensed datasets (AfTerFibre, OFDS, PeeringDB, and others) into a single interactive globe, visualizing routes by capacity tier, operational status, and operator. This visualization shows the growth of the undersea cable network, global internet peering capacity, and the distribution of IP addresses via BGP announcements over time. Use the controls at the top to play the animation or step through year by year. For more details and insights, please read this. Internet Exchange Point — neutral facility where networks interconnect and exchange traffic. Analyze network nodes within a 10 km radius using our automated API service. RAG-powered chatbot with. Modern cables use dense wavelength-division multiplexing (DWDM), allowing multiple data streams to be transmitted simultaneously over a single fiber. Several. The Submarine Cable Map is a free and regularly updated resource from TeleGeography.



## Article Content

Jan 01, 2026

World Internet Cable Map: How the Internet Connects the World (2026)

See the world internet cable map and learn how global internet connections actually work. Updated visuals show undersea cables,

Jan 12, 2026

Mapping the global submarine fibre-optic cable network

The map instead aims to provide a global overview of the network, and a general sense of how information traverses our planet. (The

Sep 06, 2025

Submarine Cable Map 2025

Telecom Egypt's infrastructure projects aim to enhance the resilience of global high-density traffic routes, enabling its partners to

Nov 17, 2025

Fiber Map of the World 2026

Fiber maps visualize the global network of fiber optic cables, showcasing how data moves across continents and under oceans.

Aug 22, 2025

Interactive Map Depicts Global Submarine Cable Networks

This regularly updated interactive map shows submarine fiber-optic cable systems around the world, both current and

May 15, 2026

TeleGeography | Telecom Data

Trusted telecom intelligence since 1989 Telecom providers, global enterprises, and governments rely on

Jun 06, 2026

Submarine Cable Map | Interactive Global Undersea Cables

This interactive submarine cable map shows the global undersea fiber optic cables connecting world. Explore cable routes, landing

Mar 08, 2026

### Empowering Connectivity through Broadband Mapping

It offers expert assistance in geospatial technologies, including map visualization of key ICT networks indexes, such as optical fibre

Jan 17, 2026

### Internet Tube - Information Geographies

The map instead aims to provide a global overview of the network, and a general sense of how information traverses our planet. (The

Jan 19, 2026

### Map Shows All The Fibre Optic Cables Under The World's Oceans

Real-time video conferencing, international financial transactions, cloud computing, and access to global online content

Apr 14, 2026

### Animation: The Global Fiber Optic Network Explained

An informative look at the global fiber optic network, how the cables actually work, and the technology that will power

Jul 08, 2026

### Wired World: 35 Years of Submarine Cables in One Map

Watch the explosive growth of the global submarine cable network, and learn who's funding the next generation of cables.

Jun 14, 2026

### Visualizing the Internet (2024)

Visualizing the Internet (2024) Map of the Internet including undersea cables and internet exchanges. This post is part

Feb 09, 2026

### Global Fiber-Optic Internet Cables Map

Since the 1850s, we've been laying cables across oceans to become better connected. Today, there are hundreds of

Jan 21, 2026

### Submarine Cable Map

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

Jun 25, 2026

### Internet Infrastructure Map (2026)

Explore the physical backbone of the internet with our interactive map of undersea fiber optic cables,

Mar 31, 2026

### HE 3D Network Map

A 3D WebGL map of Hurricane Electric's backbone network, global submarine cables and global data-centers.

Mar 19, 2026

### Visualizing the Internet (2025)

An all-new interactive map of the Internet, showing the evolution of undersea cables and internet exchanges with year

Sep 10, 2025

### Global Optical Fiber Network

This data is provided for visualisation of the current existing fibre optics cable network in Sight Africa. Cables shown on

Feb 12, 2026

### Learn about the best infrastructure map of the internet | Infrapedia

Our focus is to show the layer 1 structure of the global network. View information about key internet infrastructures including fiber

Dec 14, 2025

### Submarine Cable Map 2024

Additionally, the company is planning on expanding its network to connect crossing submarine cables to new landing stations in the

May 18, 2026

### Open Infrastructure Map

Open map of the world's electricity, telecoms, oil, and gas infrastructure, using data from OpenStreetMap.

Dec 17, 2025

### Interactive Map Depicts Global Submarine Cable Networks

Submarine Cable Almanac, the industry did not have access to a comprehensive map depicting important information about

Nov 22, 2025

OpenFiberMap — Global Fiber Optic Network Map

Free, open-source, interactive 3D map of the world's terrestrial fiber optic networks. Browse routes, IXPs, data centers, and landing

## Contact Us

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