

Added Optical Cable Route 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. Geometries are. This visualization tracks the historical evolution of the undersea cable network, global internet peering capacity, and IP allocation dynamics over time. Primary data for modern submarine cables is sourced from TeleGeography. The interactive SEFE fiber optic network map requires access to Google Maps. We incorporate maps from the “Google Maps” service provided by Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA. The processed data may also include, in particular, your IP addresses and location data. Modern cables use dense wavelength-division multiplexing (DWDM), allowing multiple data streams to be transmitted simultaneously over a single fiber. As of 2024, commercial submarine cables can exceed capacities of 100 terabits per second (Tbps), facilitating global internet traffic. Several. More advanced GIS software like QGIS or ArcGIS can be used, but it requires at least some skills. Since you are reading this post, it means you are also not ready to use specialized fiber.



Article Content

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

Submarine Cable Map: Interactive Routes of 700+ Subsea Cables

Every active and planned submarine cable on Earth on a single interactive map. Click any line to open the cable, its landing points,

Fibre network mapping: a comprehensive guide

By having a detailed visual representation of the entire fibre network, including cable routes and infrastructure components, operators

Fiber Map of the World 2026

High-resolution GIS datasets provide precise geospatial details of fiber optic routes, while real-time data integration allows updates

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,

Interactive map

Explore our fibre-optic grid with our interactive map: Zoom into the map in seven steps (zoom levels) to view the route in detail or

Fiber Maps: The Ultimate Guide to Global Network Visibility, Routes ...

Fiber maps are visual representations of fiber-optic infrastructure—showing where fiber routes exist, how networks

Internet Infrastructure Map (2026)

Explore the physical backbone of the internet with our interactive map of undersea fiber optic cables, peering exchange points, and

Fiber Mapping: How to Make a Fiber Network Map Yourself

Step-by-step guide to building accurate fiber network maps without GIS. Easy and hard ways of fiber mapping.

Contact Us

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