

Global Fiber Optic Cable Distribution Analysis 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. Analyze network nodes within a 10 km radius using our automated API service. A demonstration app to displaying the use of Machine Learning models aimed at identifying telecommunication towers from Satellite Imagery. RAG-powered chatbot with access to ICT infrastructure research documents, proximity. 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. This data is provided for visualisation of the current existing fibre optics cable network in Sight Africa. Cables shown on include international submarine cables with a maximum. Projects such as SEA-ME-WE (Southeast Asia - Middle East - Western Europe) and FLAG (Fiber-Optic Link Around the Globe) established intercontinental fiber-optic routes, bridging entire regions with high-speed data links. The expansion of these systems continues to shape the global fiber-optic. The BDT Geospatial Catalogue aims to facilitate the finding of spatially referenced resources related to ICT infrastructure that can support analysis towards closing connectivity gaps and network deployment The Geocatalogue includes the ICT Infrastructure Data Dictionaries that serve as reference.



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 stations globally.

Internet Infrastructure Map (2026)

This visualization shows the growth of the undersea cable network, global internet peering capacity, and the distribution of IP addresses via BGP announcements

Global Optical Fiber Network

This data is provided for visualisation of the current existing fibre optics cable network in Sight Africa. Cables shown on include international submarine cables with a maximum upgradeable

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. Telecommunications providers rely on these maps to optimize routing,

Empowering Connectivity through Broadband Mapping

The ICT infrastructure business planning toolkit addresses business planning challenges with mobile and fibre-optic networks and it continues to offer a clear and practical methodology for the accurate

Visualizing the Internet (2025)

An all-new interactive map of the Internet, showing the evolution of undersea cables and internet exchanges with year-by-year animation and detailed statistics.

Open Infrastructure Map

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

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

What Are Fiber Maps (And Why They Matter More Than Ever) Fiber maps are visual representations of fiber-optic infrastructure—showing where fiber routes exist, how networks

Learn about the best infrastructure map of the internet | Infrapedia

Detailed maps of more than 100 terrestrial fiber networks throughout the world owned and operated by local and national telecom operators and international backbone providers.

PDF document

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Empowering Connectivity through Broadband Mapping

A GIS tool aiming at helping to address connectivity gaps and enhance affordability and resilience strategies. It offers expert assistance in geospatial technologies, including map visualization of key

Internet Infrastructure Map (2026)

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

Connectors, Cables, Optics, RF, Silicon to Silicon

Samtec is the service leader in the electronic interconnect industry and a global manufacturer of Connectors, Cables, Optics and RF Systems, with full channel

Global Optical Fiber Network

It is shared to Sight Africa with the intention that it shall be used for visualisation of existing fibre optic cables and fussion landing points and where necessary subjected to simplistic analysis

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 optic submarine cable systems, terrestrial fiber networks, internet

Interactive Map Depicts Global Submarine Cable Networks

This regularly updated interactive map shows submarine fiber-optic cable systems around the world, both current and planned. It also provides details associated with these networks

Interactive Map Depicts Global Submarine Cable Networks

Submarine Cable Almanac, the industry did not have access to a comprehensive map depicting important information about submarine cable networks. This regularly updated interactive map shows

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

