Global Terrestrial Optical Cables



Overview

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

Article Content

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. Visualize the growth of

Fibre-optic Link Around the Globe

OverviewDescriptionSegments and landing pointsDisruptionsGCHQ interceptionSee also

The FLAG cable system was first placed into commercial service in late 1997. FLAG offered a speed of 10 Gbit/s, and uses synchronous digital hierarchy technology. It carries over 120,000 voice channels via 27,000 kilometres (16,777 miles; 14,579 nautical miles) of mostly undersea cable. FLAG uses erbium-doped fibre amplifiers, and was jointly supplied by AT&T Submarine Systems and KDD-Submarine Cable Systems. Its design, development, installation, and service conformed to ISO 9000 quality stand

World Internet Cable Map: How the Internet Connects

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

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Fiber Map of the World 2026

Submarine and terrestrial fiber optic cables form the backbone of modern global communication, carrying data across continents at incredible speeds. These networks enable internet access,

Subsea network solutions | Nokia

Our solutions connect countries, data centers, and global networks, enabling high-capacity optical transport for AI, cloud, and telecom

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

Learn about the best infrastructure map of the internet

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

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

Optical Core Infrastructure: The Hidden Highway of Connectivity

Over 99% of the world''s intercontinental communications travels along an estimated 570 submarine cables crisscrossing the planet''s seabed. These submarine networks, spanning over 1.4

Fibre-optic Link Around the Globe

Fibre-optic Link Around the Globe (FLAG) is a 28,000-kilometre-long (17,398 mi; 15,119 nmi) fibre optic mostly- submarine communications cable that connects

Optical networks

An optical transport network is a high-speed communication system that sends light signals over fiber-optic cables to move large amounts of data across long

Submarine Cable Map 2025

Your Global Digital Infrastructure Accelerator Telecom Egypt has arisen as a trusted hub linking Africa, Europe, and Asia. Driven by the dedication of its top-notch

Global Locations

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Google Cloud offers regions across the world to provide customers with global coverage, low cost, low latency, and application availability.

White Paper on China International Optical Cable Interconnection

Foreword International optical cables are vital to global communications. With the vast majority of international data transmission occurring through submarine optical cables, a country''s degree of

Terrestrial and Submarine/Subsea Fiber Optic: A

Fiber optic technology has revolutionized the way we communicate, enabling the high-speed transfer of data across vast distances with minimal loss.

Empowering Connectivity through Broadband Mapping

Explore the Map Broadband Maps A GIS tool aiming at helping to address connectivity gaps and enhance affordability and resilience strategies. It offers

Oceans of Data: The Subsea Cable Projects That

Throughout 2025, Subsea Cables by Telecom Review covered more than 70 submarine cable–related projects, landings, upgrades, feasibility studies,

Data — InfraNav

Geospatial (GIS) digital infrastructure databases, including but not limited to terrestrial fiber optic networks, data centers, towers, IXPs, and more, covering

Additional source notes

The FLAG cable system was first placed into commercial service in late 1997. FLAG offered a speed of 10 Gbit/s, and uses technology. It carries over 120,000 voice channels via 27,000 kilometres (16,777 miles; 14,579 nautical miles) of mostly undersea cable. FLAG uses , and was jointly supplied by AT&T Submarine Systems and KDD-Submarine Cable Systems. Its design, development, installation, and service conformed to quality stand…

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

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