

Total length of global optical fiber cable lines



Overview

The total installed fiber optic cable length worldwide reached 1.2 trillion kilometers by the end of 2023. The U.S. has the most installed fiber optic cable length, at 250 million kilometers, as of 2023. 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 the United Kingdom, Japan, India, and many places in between. Use the controls at the top to play the animation or step through year by year. Without them, seamless international. This extensive network of cables – which could stretch around the Equator 30 times – is the connective tissue that binds the internet, and thanks to our insatiable appetite for video streaming, it's growing larger with every passing year.



Article Content

Sep 15, 2025

Subsea Cables: The Invisible Fiber Link Enabling the

Diagram: 1) polyethylene insulator, 2) copper sheathing, 3) steel wires, 4) optical fibers in silicon gel. Also, subsea cables contain a number of

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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,

May 18, 2026

14 Fiber Optics Statistics, Facts and History in 2026

If you're curious about where the fiber optics industry stands in 2023, take a look at our list of 17 fiber optics statistics and facts.

Dec 05, 2025

Fiber Atlantic

This interactive submarine cable map shows global undersea and underwater fiber optic cables connecting continents and countries worldwide. Explore cable

Feb 08, 2026

Global fiber Optic cable market analysis research report

The global fiber optic cable market exhibited a steady growth trend between 2020 and 2025. It is projected to reach US\$8.22 billion in 2024 and

Apr 22, 2026

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

Oct 15, 2025

The Global Fiber Optic Network

Since the first undersea fiber optic cable, TAT-8, was constructed by a consortium of companies in 1988, the number of cables snaking across the ocean

Oct 01, 2025

Fiber Optic Cable Industry Statistics | Verified 2026 Data

Our in-depth market data report on Fiber Optic Cable Industry. Explore verified statistics and the latest research.

Sep 12, 2025

What Is the Fiber Optical Lines Map?

Today, one single strand of glass fiber is responsible for multiple channels of data or wavelengths of light, and each fiber optical cable houses

Feb 11, 2026

World's Optical Fiber Cables Market Set for Growth to 2

Global optical fiber cables market analysis for 2024-2035, covering consumption, production, trade, and key country insights. Forecasts a CAGR of +1.5% in

May 27, 2026

Fiber Optical Cable Market Size, Forecast Report to 2035

Global Fiber Optical Cable market size is expected to reach \$115.6.89 billion by 2030 at 6.8%, segmented as by type, glass optical fiber, plastic optical fiber

Mar 13, 2026

Fiber Optic Cable Market Size, Share, Industry Outlook 2026

The fiber optic cable market is expected to reach US\$ 32.7 billion by 2032, growing at a significant CAGR of 11.3% from 2026 to 2032.

Jun 28, 2025

20 Largest Fiber Optic Cable Companies (2025 List)

This updated list ranks the 20 largest fiber-optic cable companies worldwide and summarizes what each vendor is best known for—core product lines, regional

Dec 03, 2025

Fiber Optic Cable Industry Statistics | Fact-Checked 2026

Telecom demand still dominates fiber optic cable usage at 45% of global demand in 2022, but cloud scale up and 5G backhaul are reshaping production priorities with datacom and

Jun 14, 2026

This map shows how undersea cables move internet

Have you ever wondered how internet traffic flies around the world? 99% of it travels through cables under the sea.

Nov 04, 2025

The Global Landscape of Fiber Optic Deployment: A

Fiber optic technology has revolutionized the telecommunications industry by providing faster, more reliable, and higher-capacity data transmission

Dec 26, 2025

Mapping the global submarine fibre-optic cable network

Today, an entire network of fibre-optic cables connects almost every corner of the world, enabling the hyper-connected world that many of us take for granted.

May 12, 2026

Map: The World's Network of Submarine Cables

Satellites get all the glory, but 99% of the world's data actually flows through a vast network of fiber optic submarine cables.

Feb 17, 2026

Submarine Cable Map of the World (Source:

To identify the points of digital divide between territories, the world map of submarine optical fiber cables for digital data transmission is presented in Figure 1 (Halog et

Nov 26, 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 include international submarine cables with a maximum upgradeable

Apr 28, 2026

Global Fiber Development Index: 2020

Fiber-optic cable supports extremely high bandwidth, limited only by the active components at either end. Once installed, the speed-upgrade potential of the actual fiber cable is, therefore, practically

Aug 15, 2025

Global fiber cable market by region 2022| Statista

The global fiber optic cable market was valued at almost ** billion U.S.

Jun 16, 2026

Optical Fiber Industry Statistics 2026

Our in-depth market data report on Optical Fiber Industry. Explore verified statistics and the latest research.

May 23, 2026

Fiber Optics Market Size Report 2024-2029 [234 Pages

The global Fiber Optics Market in terms of revenue is estimated to be worth \$3.2 billion in 2024 and is poised to reach \$6.8 billion by 2029, growing at a CAGR of

Oct 25, 2025

Fiber Optic Cable Market Size, Share & Trends Report,

The global fiber optic cable market was valued at USD 13 billion in 2024 and is estimated to grow at a CAGR of 10.4% to USD 34.5 billion in 2034.

Jul 27, 2025

Global Fiber Optic Cable Growth Analysis

Fiber Optic Cable Market Size 2024-2028 The fiber optic cable market size is forecast to increase by USD 11.28 billion at a CAGR of 13.64% between 2023

Aug 04, 2025

Map Shows All The Fibre Optic Cables Under The

Real-time video conferencing, international financial transactions, cloud computing, and access to global online content all rely on the seamless

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