

Statistics on Optical Cable Laying



Overview

Global fiber optic cable deployment reached 1.2 million route kilometers in 2023, up 22% from 2021. FTTH (Fiber-to-the-Home) penetration was 52% in Europe in 2023, compared to 18% in Africa. The average cost to deploy fiber to a new home in the U.S. was \$750 in 2023, down 15% from 2021. France's La France Num program aims to install 1 million fiber nodes by 2025. The global number of data center fiber links is projected to reach 20 million by 2025. The world is now sewn together with a vast, luminous nervous system, running from the ocean floor to your front door, at a cost that would be negligible. Fiber demand is being pulled by IP traffic surging past 1,000 petabits per second by 2029 and by a global data center revenue forecast reaching \$7.4 trillion by 2030, even as the market grows at a 7.0% CAGR. Telecom leads fiber optic demand at 45% in 2022 as data centers and 5G drive rapid global expansion. 4 million km of submarine cable carries 99% of international data alongside next generation. Global data center bandwidth demand grew by 35% in 2023, primarily driven by cloud computing. 5G applications in smart cities rely on fiber optic backhaul for low-latency communication, with 70% of smart city projects using fiber. Fiber optic networks carry 90% of global internet traffic, compared to 10% for copper. Fiber and smart cable networks are rapidly expanding, with faster urban rollout, rising maintenance needs, and greener technology adoption.



Article Content

Fiber Optic Cable Market Size, Forecasts Report 2026-2035

The fiber optic cable market was estimated at USD 14.6 billion in 2025 and is expected to grow at a CAGR of 9.5% between 2026

Optical Communications Industry Statistics 2026 | Gitnux

800G datacom ports will dominate 60% of shipments by 2026—see the optical communications stats behind datacom

Invisible highways: The vast network of undersea

These invisible highways, consisting of fiber-optic wires connecting landing points, are

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Our in-depth market data report on fiber optic telecommunications industry. Explore verified statistics and the latest

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Our research team aggregates data from peer-reviewed studies, official statistics, industry reports, and longitudinal

Dig Once: A Solution for Rural Broadband – USTelecom

Author Sally Aman Home Articles Dig Once: A Solution for Rural Broadband April 12, 2017 One of the toughest

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

Fiber Optic Cable Market Size, Share | Analysis 2035

Fiber Optic Cable Market Trends The Fiber Optic Cable Market is currently experiencing a

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Global fiber optic cable deployment reached 1.2 trillion kilometers by the end of 2023, tightening the link between

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Fiber Optics Industry Statistics: 2026 Market Report

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Fiber Optical Cable Market Share and Forecast Report 2026-2030

Fiber Optical Cable market size was valued at \$89.16 billion in 2026, projected to reach \$115.79 billion by 2030 at a 6.8% CAGR.

Fiber-Optic Cable Manufacturing in the US Industry Analysis, 2025

Expert industry market research on the Fiber-Optic Cable Manufacturing in the US (2015-2030). Make better business decisions,

Telecom Cable Industry Statistics | 2026 Edition

This page stitches together deployment depth, cost, maintenance, and regulation so you can see exactly where

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Fiber Optic Statistics: 52 Key Facts on Speed, Scale & Market Growth

This page collects 52 fiber optic statistics for 2026: market size, US deployment, world speed records, data-center

100+ Fiber Optic Industry Statistics: 2026 Research Report

Fiber optic deployment is transforming how people connect—streaming at higher speeds, businesses moving critical

14 Fiber Optics Statistics, Facts and History in 2026

As of 2000, more than 80% of the world's long-distance communication cables are fiber-optic cables. The statistics

Underground Fiber Report

Various methods exist for installing underground fiber optic cables, with direct burial and conduit placement being the most prevalent.

Fiber Optic Cable Industry Statistics | Fact-Checked 2026

The fiber optic cable industry is moving fast, with worldwide submarine networks reaching 1.4 million km that carry

Fiber Deployment Annual Report 2023

As part of the effort to address the skills gap and worker shortage, Fiber Broadband Association's OpTIC Path Program is currently

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Optical Fiber Industry's latest stats reveal where demand is tightening fastest and which link in the network is

100+ Fiber Optics Industry Statistics (2026, Verified)

Track how Fiber Optics Industry growth is shifting in 2026, where demand for higher

Fiber Optics Market Size & Share Report, 2026-2033

Fiber Optics Market Summary The global fiber optics market size was valued at USD 10.8 billion in 2025 and is projected to grow

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Optical Fiber Industry Statistics 2026

See how optical fiber demand and capacity are shifting in 2025 and what that means for pricing, supply, and

Fiber Deployment Annual Report 2023

According to the FCC's Broadband Data Map, we estimate that roughly 52M or 46% of locations in the US are now serviceable by

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