

How long is the total length of fiber optic cable in China



Article Overview

As of March 2026, China's total fiber optic cable network spans approximately 75.78 million kilometers.

China has experienced rapid expansion of its fiber optic infrastructure over the past decade. By the end of 2025, the total network length reached 74.99 million kilometers, reflecting a growth of over 200% since 2015 when the network measured 24.71 million kilometers, according to the Ministry of Industry and Information Technology . This expansion has enabled gigabit optical network access in every county nationwide . By March 2026, China Telecom reported that the total length of optical cable had increased further to 75.78 million kilometers, marking a new record for the country . The growth is driven by both long-haul backbone networks and extensive access networks connecting urban and rural areas. In 2023 alone, nearly 4.74 million kilometers of fiber optic cable were installed, bringing the national total to 64.32 million kilometers at that time . China's fiber network is the largest in the world, with the majority of cables deployed for access networks (62.3%), local network relay (35.9%), and long-haul transmission (1.8%), . The country continues to expand its 5G and gigabit optical networks, aiming for full coverage of counties and township seats by the end of 2025 . This massive infrastructure supports over 1.14 billion broadband access ports, making China a global leader in fiber optic deployment and broadband connectivity . The network's scale ensures high-speed internet access across urban and rural regions, facilitating digital services, cloud computing, and smart city initiatives.

Article Content

China Optical Fiber Cable Length Data (2015–2025, Latest 2025)

Explore china optical fiber cable length data from 2015 to 2025. Includes innovation metrics, growth with latest 2025

China: length of fiber optics telephone cables| Statista

According to the source, the length of the fiber optics telephone cables refers to long-range cables only.

How Far Can a Fiber Optic Cable Be Run? The Practical Limits

Fiber optic cables have revolutionized modern communication networks by enabling blazing-fast data transmission

How long can a fiber optic cable be?

These types of cables are still being researched and refined, but they offer promising possibilities for future long-distance

Submarine Cable Map

TeleGeography's comprehensive and regularly updated interactive map of the world's major submarine cable systems

China expands optical fiber network in 2023

BEIJING, Feb. 12 -- China continued to expand its optical fiber network in 2023, according to the Ministry of Industry and Information

Development of the optical fibre network in China

Abstract: China is experiencing a very rapid phase of development in the optical fibre network. Recent years saw the

China Top 10 Fiber Optic Cable Manufacturers in 2025

The fiber optic cable industry in China has solidified its position as a global powerhouse,

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

China Telecommunication: Length of Optical Cable: By Region

Discover data on Telecommunication: Length of Optical Cable: By Region in China. Explore expert forecasts and historical data on

Fiber Optic Cable Distance: A Comprehensive Guide

However, fiber optic cable performance over distance varies depending on factors such as cable type, installation

List of terrestrial fibre optic cable projects in Africa

This is a list of terrestrial fibre optic cable projects in Africa. While submarine communications cables are used to connect countries

China Telecom: Length of Optical Cable | Economic Indicators | CEIC

China Telecom: Length of Optical Cable data is updated monthly, averaging 14,044.417 km th (Median) from Aug 2001 to Mar 2026,

Fiber Optic Cable Manufacturers in China | FSG Networks

1. Advanced Technology Meets Cost Efficiency China's fiber optic cable manufacturers combine cutting

Interesting Facts on Optical Fibre and Optical Fibre

The era of internet connection has now been revolutionised with the introduction of optical

Global Fiber Optic Cable Market Analysis | OPELINK

The fiber optic cable industry is witnessing a structural transformation from a cyclical commodity market to a

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

China: length of fiber optic telephone lines by region| Statista

In 2023, the length of fiber optics cables in China's Sichuan amounted to over **** thousand kilometers.

China Optical Fiber Cable Length Data (2015–2025, Latest 2025) | China ...

China Optical Fiber Cable Length 2025 (Latest Data & Historical Trends) China's national optical fiber cable network

National Fiber Optic Cable Production Reaches 246 Million Fiber ...

According to data from the Ministry of Industry and Information Technology, as of the end of September, the total length of fiber optic

Frequently Asked Questions

When an OTDR measures length, it actually measures the time its test pulse takes to go to the end of the

Global Fiber Optic Cable Growth Analysis

The fiber optic market encompasses various types of cables, including single-mode and multimode fibers, each catering to distinct

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.

APAC fiber deployment expands with national policies, telco strategies

Mainland China led in the total length of fiber optic cable deployment among developing markets at 59.6 million kilometers of fiber

How Far Can a Fiber Optic Cable Be Run? Distance Guide

Fiber optic cables can run up to 80 km without a repeater. Learn exact limits by cable type, application, and how to

Strategic Ranking Of Chinese Fiber Optic Manufacturers in 2026

Focuses on high-density MPO/MTP connectivity, outdoor harsh environment fiber solutions, and fiber optic cable

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