

RIVO MULTITRADE OPTICAL SYSTEMS

Proportion of fiber optic cables used by China Mobile China Telecom and China Unicom



Overview

Inside China's fiber future Fiber now underpins nearly all fixed broadband in China – With 99% of lines on fiber, operators and policymakers rely National.

Key Takeaways

China Mobile, China Telecom, and China Unicom collectively dominate China's fiber network, with China Mobile leading in cable deployment. Overview of Fiber in China

China has aggressively deployed fiber optic networks, making fiber the backbone of its fixed broadband infrastructure. By the end of September 2024, there were approximately 637 million FTTx subscriptions, representing around 95% of all fixed broadband lines in China, with nearly 99% of lines on fiber-optic cables . This extensive deployment supports gigabit broadband, smart cities, and national digitalization initiatives.

Operator-Specific Deployment

- China Mobile: As of 2022, China Mobile had deployed around 19.4 million kilometers of fiber cables, making it the largest contributor to China's fiber infrastructure .



- China Telecom and China Unicom: While exact fiber lengths are not specified in the sources, these two operators also maintain extensive networks. Given that China Mobile accounts for the largest share, China Telecom and China Unicom together likely cover the remaining portion of the national fiber network. Based on the total installed fiber and the scale of China Mobile's deployment, a rough estimate suggests that China Mobile may hold around 40–45% of the total fiber infrastructure, with China Telecom and China Unicom sharing the remaining 55–60%, though precise proportions vary by region and network type .

Key Takeaways

- Fiber is the dominant technology for fixed broadband in China, with nearly universal adoption among the three major operators .
- China Mobile leads in fiber cable deployment, reflecting its strategic role in national broadband expansion and support for 5G and IoT networks .
- China Telecom and China Unicom maintain substantial fiber networks, ensuring nationwide coverage and competition in broadband services . Overall, the three operators collectively form the backbone of China's fiber-optic infrastructure, enabling high-speed connectivity and supporting the country's digital economy.

Article Content

Inside China's fiber future

Fiber now underpins nearly all fixed broadband in China – With 99% of lines on fiber, operators and policymakers rely

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

According to data from the National Bureau of Statistics, the cumulative production of fiber optic cables in the first three quarters of

Telecom Industry Weekly Report: Optical Fiber Assemblies Solutions ...

This week's industry review focuses on the recovery of fiber prices, the completion of China Mobile's special optical

China Telecom Industry Statistics | 2026 Sourced Report

Our in-depth market data report on china telecom industry. Explore verified statistics and the latest research.

YOFC Assists Three Major Operators in Advancing the

Additionally, YOFC and China Telecom have realized a one-way real-time signal transmission capacity of 100.4 Tbit/s

100+ China Telecom Industry Statistics (2026, Fact-Checked)

This page walks through the backbone (fiber, data centers, and mobile base stations) and how services are adopted,

ZTT Secures Top Position in China Mobile's 2025-2026 Optical Cable ...

On June 7, China Mobile, China's largest telecom operator and the world's biggest purchaser of optical fiber, officially announced the

Fiber Optic Coverage and Internet Usage Statistics in China (2026)

An overview of China's fiber optic coverage and internet usage statistics projected for 2026, reflecting the nation's digital growth.

Fiber to the Room (FTTR) Progress Update: Chinese Operators

For China Unicom, traditionally trailing behind China Telecom and China Mobile in the FTTH market, FTTR was seen

China's Three Major Telecommunications Operators_Baiduwiki

China's Three Major Telecommunications Operators refer to China Mobile, China Telecom, and China Unicom. They are the three

China Proposes \$500 Million Subsea Internet Cable To

A \$500 million undersea fiber-optic internet cable network connecting Asia, the Middle East, and Europe is being

The Mobile Economy China 2024

China Mobile, China Telecom and China Unicom joined the GSMA Open Gateway initiative ahead of MWC Shanghai 2023. The

Exclusive-China plans \$500 million subsea internet cable to rival U.S ...

Exclusive-China plans \$500 million subsea internet cable to rival U.S.-backed project SINGAPORE (Reuters) - Chinese

China fixed broadband services revenue to grow at CAGR of 3.6%

The study revealed that cable Internet's share in fixed broadband lines is expected to remain stagnant at 5% through

Exclusive-China Plans \$500 Million Subsea Internet Cable to Rival

Chinese state-owned telecom firms are developing a \$500 million undersea fiber-optic internet cable network that

China's reported construction of undersea internet cable is normal ...

Chinese state-owned telecom firms, China Telecom, China Mobile, and China Unicom, are developing a \$500 million

China Mobile - IEEE ComSoc Technology Blog

The total number of mobile phone users of the top four Chinese telcos (China Mobile, China Telecom, China Unicom,

Contact Us

Continue your research online:

Website: <https://rivomultitrade.co.za>

Technical inquiry: <https://rivomultitrade.co.za/contact.html>

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

