

Length of optical fiber lines in Asia



Article Overview

Asia has an extensive optical fiber network, with China leading at 59.6 million kilometers of installed fiber lines, followed by significant deployments in India and other APAC countries.

Overview of Fiber Deployment in Asia

Asia's optical fiber infrastructure has expanded rapidly in recent years, driven by government initiatives, national broadband projects, and growing demand for high-speed internet . By the end of 2022, the Asia-Pacific region had over 500 million fiber broadband subscriptions, representing 85.1% of the residential fixed-line broadband market . Despite this extensive coverage, actual service take-up rates in many markets remain below 50%, indicating room for further utilization .

Country-Specific Fiber Lengths

- **China:** Mainland China leads the region with 59.6 million kilometers of installed fiber lines. China Mobile alone has deployed approximately 19.4 million kilometers of fiber cables . National policies, such as the Broadband China Strategy and integration with 5G networks, continue to drive expansion, aiming for near-universal broadband access by 2027 .
- **India:** India has seen rapid growth in Fiber-to-the-Home (FTTH) networks, with Reliance Jio connecting over 7.6 million residences and Bharti Airtel expanding FTTH services to more than 500 new towns by 2022 . While total fiber length is smaller than China, India remains a major contributor to regional fiber deployment.
- **Japan, South Korea, Singapore, Vietnam:** These countries have high FTTH penetra...

Article Content

Aug 12, 2025

A Time for Growth: The Expansion of Fiber Optic Use in Asia

Plans for Optic Fiber Development in Asia According to its finance ministry, Israel recently announced its plan to

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Submarine Cable Map

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

May 23, 2026

Fiber optic lines to dominate fixed broadband landscape in Asia

Fiber-to-the-Home/Building (FTTH/B) service is set to cement its position as the leading fixed broadband technology

Oct 03, 2025

Fibre broadband investments in Asia | Prysmian

"Fibre-optic access lines will account for a share of about 61 per cent of the total fixed access lines in the developed APAC region by

Jun 30, 2026

The Operation of Cross-Border Terrestrial Fibre-Optic Networks in

This working paper begins by describing and analysing five case studies of cross-border terrestrial fibre-optic networks in Asia and

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Asia-Pacific's Optical Fiber Cable Market Set to Reach 781K Tons and ...

Asia-Pacific's optical fiber cable market is forecast to reach 781K tons and \$10.2B by 2035, driven by strong demand. China

Jul 27, 2026

Fiber lines to drive fixed broadband services market in Asia-Pacific ...

Fiber-optic access lines will account for a share of about 97% of the total fixed broadband lines in the APAC region by

Feb 05, 2026

Fibre coverage in APAC markets continues to expand

According to Kagan data, the total fibre broadband subscription in APAC translates to 85.1% share of the entire

Apr 15, 2026

Asia-Pacific Optical Fiber Cable Market Outlook, 2028

According to the research report, Asia-Pacific Optical Fiber Cable Market Outlook, 2028, the market is projected to grow at CAGR of

May 18, 2026

Asia Pacific Fiber Optics Market Size, Share, and Industry Trends ...

Asia Pacific Fiber Optics Market Size, Share, and Industry Trends Forecast 2026-2036
The Asia Pacific Fiber Optics Market valued

Sep 28, 2025

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

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Asia-Pacific's Fiber Frontier: A High-Speed Adventure to 2030 and ...

The Asia Pacific fiber optics market anticipates a robust compound annual growth rate (CAGR) of 9.0% from 2023 to

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Ribbon Optical Fiber Cables Market in Asia-Pacific | Report

Ribbon optical fiber cables are a core transmission medium in the Asia-Pacific electronics and telecommunications

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Asia Pacific Fiber Optics Market Size & Forecast to 2030

The Asian Pacific Fiber Optics Market, valued at USD 3.04B in 2024, is projected to reach USD 5.06B by 2030, growing at a 8.8%

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Asia-Pacific Fiber Optic Cable Market Size, Growth Trends ...

The Asia-Pacific fiber optic cable market is experiencing rapid growth, driven by increasing internet penetration,

Dec 08, 2025

Asia's Optical Fiber Cables Market Report 2026

The optical fiber cables market in Asia is characterized by the overwhelming dominance of China in both consumption

Jun 14, 2026

National Policies and Projects Driving Fiber Expansion in APAC

The expansion of fiber networks across the Asia Pacific (APAC) has gained significant momentum in recent years,

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Optical Communication Development in China During the Past 30

In 1974, a research center of fiber optics was established in Wuhan including the entities dealing with the research and

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Fibre coverage in APAC markets continues to expand

Take-up rate of fibre broadband services still sees room to grow. The Asia-Pacific (APAC) region continues to expand

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Asia-Pacific Fiber Optic Cable Market Size & Competitors

The Asia-Pacific Fiber Optic Cable Market, valued at USD 6.45B in 2023, is projected to reach USD 16B by 2032, growing at a

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Fibre to drive Asia-Pacific fixed broadband

The expansion of fibre-optic networks will see fibre broadband account for nearly 97% of all fixed broadband lines by

Jan 30, 2026

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

Jul 26, 2026

Asia leads in full fibre penetration

Almost 89% of South Korean connections are full-fibre and Singapore boasts the world's fastest fixed broadband partly thanks to a

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Fiber Optic Cable Range: Comprehensive Guide

Fiber optic cable range varies depending on whether you're using single or multimode fiber. Learn the potential for

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