

How many fiber optic cable lines does the EU have



AI Overview

The EU has extensive fiber optic coverage, with FTTH/B networks reaching over 244 million homes and a coverage rate of approximately 74.6% across EU39 countries as of 2024.

Overview of Fiber Deployment

Fiber optic networks in the EU have grown rapidly, driven by government support, private investment, and public-private partnerships. As of September 2024, FTTH/B (Fiber to the Home/Building) coverage in the EU39 region reached 74.6%, with a take-up rate of 53.1% and a penetration rate of 32.9% . This represents a significant increase from previous years, reflecting ongoing expansion and modernization of broadband infrastructure .

Homes Passed and Adoption

The total number of homes passed by FTTH/B networks in the EU39 region reached 244 million homes in September 2023, up from 221 million in 2022 . While coverage is high, the proportion of homes actually connected remains lower, highlighting adoption as a key challenge. Countries like Spain, France, and Sweden lead in coverage, often exceeding 85%, whereas Germany and the UK lag behind with coverage around 38-42% .

Infrastructure Composition...

Article Content

Jul 22, 2026

EU: FTTP coverage by country 2024| Statista

As of 2024, Romania had the best fiber broadband coverage among European Union (EU) countries, with **** percent

Jan 07, 2026

Europe's Fixed Broadband Landscape: From fiber coverage to in

In this report, we examine 18 European markets, including the UK and Turkey, assessing the region's broadband

Nov 18, 2025

EU digitization report: Fiber optics for all will be tight by 2030

Almost 70% of EU households have fiber to the home, according to the EU Commission's new status report. The

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Fiber-optic communication

Optical fiber is used by many telecommunications companies to transmit telephone signals, internet

Jun 02, 2026

EU39 reaches 70% FTTH/B coverage according to the FTTH Council

According to the Fibre to the Home/Building (FTTH/B) Market Panorama, the EU39 (27 EU Member States, United

Nov 20, 2025

Broadband coverage in Europe 2022

Vectoring, cable modem DOCSIS 3.0, cable modem DOCSIS 3.1, FTTP, FWA, LTE, 5G, 5G coverage on the 3.4–3.8

Sep 21, 2025

European FTTH/B Market Panorama 2025

On the occasion of the FTTH Conference 2025, the Market Intelligence Committee of the FTTH Council Europe

Oct 29, 2025

Broadband statistics | OECD

Broadband connectivity is an essential tool for accessing communication, information, public services, remote work,

Apr 09, 2026

The state of the fibre network in Europe from

Discover how the fibre network in Europe is evolving. Explore key trends, challenges, and

Nov 02, 2025

European Union submarine internet cables

Submarine internet cables, also referred to as submarine communications cables or submarine fiber optic cables, are essential

Apr 08, 2026

The state of the fibre network in Europe from 2023-2029

By 2029, FTTH/B fibre network in Europe is forecasted to cover 312 million homes across the entire area, with

Feb 12, 2026

How much of Europe is connected to fibre?

The top fibre leaders, each with 85% and over coverage are Spain, France and Sweden – all countries which

May 25, 2026

FTTH in Europe 2026: Fiber optic growth, adoption and forecasts until

The FTTH/B Market Panorama 2026 report reveals the growth of fiber in Europe: 295 million homes covered, increased adoption and

Dec 23, 2025

Digital Decade 2025: Broadband Coverage in Europe 2024

The 2024 Broadband Coverage Report provides a detailed assessment of broadband availability across 31 countries,

May 26, 2026

Home Page | FTTH Council Europe

Future The FTTH Council Europe is an industry association with a mission to advance ubiquitous full fibre-based

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Startling differences in fibre connectivity across Europe

Italy, Germany and the UK are behind in the fibre network race One of the key priorities for the EU is the digitalisation

Aug 31, 2025

2024 FTTH Market Panorama

According to the latest Market Panorama report, the total number of homes passed with FTTH/B in the EU39 1 area

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Full-fibre networks in Europe: state of play and future evolution

Europe is no exception: fibre networks have been expanding, driven by a combination of private investment and

Jul 20, 2026

Broadband Rollout in Europe 2025 – Quo Vadis?

Arcep, the French telecommunications regulator, shared in its latest December update that fiber optic coverage in the country

Apr 10, 2026

A Reality Check on the Progress toward a Gigabit Society

For more insightful updates on Europe's fiber connectivity status, look forward to the Network X event in October

Mar 18, 2026

Why and When FTTH or Fibre Optics in the Home? | FTTH Council

What is FTTH? Fibre to the Home (FTTH), sometimes known as Fibre to the Premises (FTTP), is a broadband

Apr 27, 2026

Digital Decade 2025: Broadband Coverage in Europe 2024

This study is a data-driven look at broadband coverage in 2024 and progress towards the Digital Decade targets.

Dec 17, 2025

Network Maps: Europe

Network Maps: Europe 46 Comments On this page I collect links to the network maps of European bandwidth providers. Both pan

Aug 20, 2025

2025 FTTH Market Panorama

The 2025 edition of the FTTH/B Market Panorama presents the latest insights into FTTH/B coverage and adoption in Europe as of

Jan 03, 2026

Digital Decade 2024: Broadband Coverage in Europe 2023

The Broadband Coverage in Europe study is designed to monitor the progress of EU Member States towards the

Apr 15, 2026

A future-proof network for the EU: Full fibre and 5G

In this context, it discusses the current state of full fibre and 5G mobile technology in the EU, including the challenges

Apr 29, 2026

Fibre and 5G continue to expand their footprint, while fixed ...

Fibre now represents 44.6% of all fixed broadband connections across the OECD, with four countries exceeding the 80% threshold

May 28, 2026

Fiber Deployment in Europe 2025: Progress & Challenges

In 2025, countries like Spain, France, and Sweden are leading the charge with fiber coverage above 85%. Their

Apr 18, 2026

Full-fibre networks in Europe: state of play and future evolution

These assets have very long lifespans: they will support networks for decades without the need to be replaced. Active

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How does fiber optics work?

The Romans must have been particularly pleased with themselves the day they invented lead pipes around 2000

Sep 27, 2025

Digital Decade 2024: Broadband Coverage in Europe 2023

Europe-wide overview, country comparisons and year-on-year trends are provided in this report. Additionally,

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Digital connectivity in EU countries

Find current information on digital connectivity development in each country, as well as national strategies and policies for developing

Jan 02, 2026

The European Broadband Mapping Portal – a versatile visualiser for ...

The European Broadband Mapping Portal's interactive map not only allows users to visualise broadband coverage,

Jun 14, 2026

FIBER DEVELOPMENT INDEX ANALYSIS 2024

This report provides an analysis of Omdia's Fiber Development Index (FDI). The FDI quantifies and ranks the level of investment in

Dec 04, 2025

Fiber Deployment in Europe 2025: Progress & Challenges

Explore Europe's 2025 fiber deployment progress, challenges, and solutions for FTTH, FTTx,

Jan 05, 2026

The Diverse Situation of FTTH in Europe

The European Union has set a target to bring 1 Gbps connectivity to every single EU citizen by 2030, with fiber being

Mar 07, 2026

Stark differences persist in fibre coverage across Europe

We have calculated, based on data from the FTTH Council Europe, that 93% of European (EU-27 and UK) households

Apr 02, 2026

2025 FTTH Market Panorama

This report offers a comprehensive overview of Europe's progress toward full fiber connectivity, with FTTH/B coverage in the EU39

Dec 01, 2025

Broadband infrastructure mapping (RP2023) | Interoperable Europe

CLC/TC 215 have published, among others, EN 50173-4 on broadband cabling of private homes (both copper and optical fibre)

Aug 07, 2025

Broadband Coverage in Europe in 2021

The Broadband Coverage in Europe study is designed to monitor the progress of EU Member States towards their

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