

How many lines are there on the German main optical fiber cable



Overview

Our state-of-the-art fiber-optic network currently covers the whole of Germany with over 3,000 km of our own cables. In addition, we have permanent access to a further 4,000 or so km of fiber-optic cables belonging to cooperation partners. We therefore cover all major. An FTTH line is a direct link from the home connection to the global fiber-optic network and enables download speeds of up to 1,000 megabits per second. The processed data may also include, in particular, your IP addresses and location data. The German telecommunication market has been fully liberalized since January 1, 1998. It all began with the construction of STEGAL (Sachsen-Thüringen-Erdgas-AnbindungsLeitung – Saxony-Thuringia natural gas pipeline). But only half are technically usable by the customers to get internet. 8 million) of connections have active users. For most people, 100 Mbit/s of.



Article Content

Internet Infrastructure Map (2026)

Explore the physical backbone of the internet with our interactive map of undersea fiber optic cables, peering exchange points, and

What Is Fiber Optics? Definition from SearchNetworking

What is fiber optics? Fiber optics, or optical fiber, refers to the technology that transmits information as light pulses

German Backbone Network (fiber lengths in km).

This paper addresses two related problems in the context of transparent optical networks. In the network design problem, the aim is

What is a Fiber Optic Network? A Comprehensive Guide on Components

In a digital age, fiber optic networks are the unsung heroes powering our world, which is why understanding fiber optic

Submarine Cable Map

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

A network covering the whole of Germany

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Optical ground wire

An optical ground wire (also known as an OPGW or, in the IEEE standard, an optical fiber composite overhead ground wire) is a type

Public switched telephone network

The PSTN consists of telephone lines, fiber-optic cables, microwave transmission links, cellular networks, communications satellites,

Handbook Optical fibres, cables and systems

The first ITU-T Handbook related to optical fibres, Optical Fibres for Telecommunications, was published in 1984, and several others

Optical Fiber Explained and Demystified

Types of fibers Overall, there are two types of fiber optic cables available: multimode and singlemode, with both types having a

Internet in Germany

DSL is the dominant internet access technology in Germany, with more than 30 million subscribers. For residential services, the

Optical fiber

A bundle of optical fibers A TOSLINK fiber optic audio cable with red light shining in one end and out the other An optical fiber, or

Interactive map

Explore our fibre-optic grid with our interactive map: Zoom into the map in seven steps (zoom levels) to view the route in detail or

Fiber Optic Cable Types Explained: Choosing the Right Fiber Cable

With so many types available, choosing the right one for your application can feel overwhelming. This guide breaks

Telecommunications in Germany

The mobile phone market in Germany is dominated by 3 main cellular operators: Telekom (a subsidiary of Deutsche Telekom and branded as T-Mobile between 2002 and 2010), Vodafone, Telefónica Germany (branded as O2; and includes the former E-Plus network of Telefónica Germany). Deutsche Telekom AG launched LTE in late 2010. Network roll out began following the "digital dividend" spectrum auction which ended May 20, 2010. In December 2010 Vodafone Germany commercially lau

Interactive map

The interactive SEFE fiber optic network map requires access to Google Maps. We incorporate maps from the "Google Maps"

Animation: The Global Fiber Optic Network Explained

An informative look at the global fiber optic network, how the cables actually work, and the technology that will power

Fiber Optic Internet Germany: Coverage, Availability, and Cost

Telekom is a clear winner by owning 43% of the total fiber optic network as of 2023 or 770,000 kilometers of fiber

Fiber optic expansion: Tough battle for customers

The expansion of fiber optics in Germany is progressing. Roads are being torn up all over Germany and fiber optic

Fiber Optics: What is it? and How Does it Work?

Globally, the deployment of fiber optics has been rapidly increasing as the demand for high-speed data

The FOA Reference For Fiber Optics

Fiber To The Home Installation There is probably no way to generalize on the installation process for FTTx

Optical Fiber Communications

Optical fiber communications are the technology of transmitting information through optical fibers. Huge data rates are achieved with

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

Fiber optic expansion: Germany will remains a DSL country for the

Only 6.1 million connections so far. The outgoing German government originally set itself the goal of supplying half of

Optical fiber: Internet with gigabit speeds

Copper cables, which were the main channel for transmitting digital information until just a few years ago, could not

Optical Fiber Products

Optical fiber broadband brings together a culture of innovation, quality, and manufacturing excellence to

The FOA Reference For Fiber Optics

As fiber optic communications systems are expanded to accommodate rapidly growing communications

What Is the Fiber Optical Lines Map?

The entire fiber optical lines map is a worldwide project that has connected the human race in ways that were once

What Is Fiber Optics? A Guide

Fiber optics technology uses light pulses to transmit data, resulting in quicker, more reliable

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