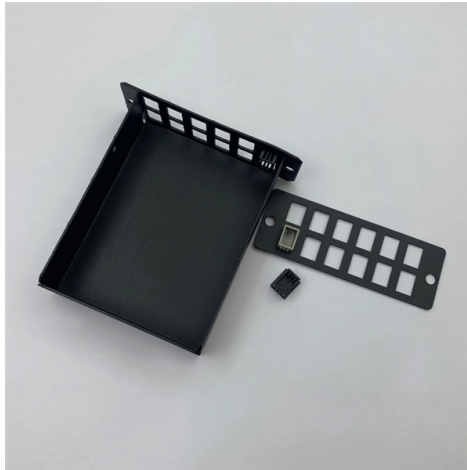


What happens after the fiber optic cable is installed



Overview

Fiber Optic Installation Process: Complete Guide (2025) In this article we'll break down how fiber internet is installed - from the network fiber drop outside.

Key Takeaways

After fiber optic cables are installed, technicians connect the service to an Optical Network Terminal (ONT), test the connection, and set up your home network for use.

Service Drop and ONT Installation

Once the fiber optic cable reaches your property, a service drop is run from the street to your home. This cable is connected to an Optical Network Terminal (ONT), which is typically mounted inside or just outside your residence.

The ONT

It converts the light signals traveling through the fiber into electrical signals that your home network can use, effectively serving as the gateway between the fiber network and your devices.

Testing and Activation

After the ONT is installed, technicians perform signal testing to ensure the fiber connection meets required standards. This includes checking signal strength, insertion loss, and overall network integrity. Proper testing ensures that the connection is reliable and capable of delivering high-speed internet without interruptions.

Once testing is complete, the ONT is activated, officially connecting your home to the fiber network.

Connecting Home Devices

With the ONT online, the technician connects your router or gateway to distribute the internet throughout your home. This may involve configuring Wi-Fi, setting up mesh networks for larger homes, and connecting devices such as computers, printers, and smart home systems. Proper placement of the router is important to maximize coverage and performance.

Network Security and Final Setup

After connectivity is established, it's important to secure your network. This includes setting up password-protected accounts, configuring firewalls, and ensuring that all devices are properly connected. Once these steps are completed, your fiber internet service is fully operational, providing high-speed, low-latency connectivity.

In summary, after fiber installation, the process involves running the service drop, installing and activating the ONT, testing the connection, connecting home devices, and securing the network to ensure reliable, high-speed internet service.

Article Content

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