

Distance from the splitter to the indoor cable



Overview

The allowable distance between the STFA and the splitter is 8 to 100 feet. Published on: 8/21/2004 Last Modified on: 9/8/2022 Did this answer your question?

A cable comes into the home from a “drop” outside and goes to a “root splitter. You can use MoCA for any or all of the devices shown in the picture if the. Either MoCA or ethernet requires a cable from your primary router to the remote location. It is always simpler to use ethernet cable. It is. In other words can I split the input cable for the TV and Internet at the entry point but then run a cable for the Internet through my basement up to a back bedroom so I can place the cable modem in there?

In theory: Yes, you can. Our cable box, for whatever reason the landlord has, has a Y-splitter that presumably accepts the ISP cable as input, and splits the. In the backbone of modern Fiber-to-the-Home (FTTH) networks, optical splitters serve as the unsung heroes that enable cost-efficient connectivity for millions of subscribers. By dividing a single optical signal from a central Optical Line Terminal (OLT) into multiple outputs for Optical Network. Where splitters are placed in the network can make significant impacts on fiber counts, network cost and deployment time and operational steps, such as customer onboarding and maintenance.



Article Content

Oct 18, 2025

What is the recommended distance for installing Self Terminating F ...

The allowable distance between the STFA and the splitter is 8 to 100 feet. More information on this can be found in the Remote I/O Cable System Manual 890USE10100.

Mar 17, 2026

Explained: What is a Coaxial Cable Splitter? –

Understanding how a coaxial cable splitter works can save time and avoid signal problems. This guide explains how it functions and where it fits.

Mar 27, 2026

What Is a Coaxial Cable and Splitter? Structure, Use,

Learn what a coaxial cable and coaxial splitter are, how they work, and how to set them up properly. Understand cable types, splitter options, signal loss,

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What are the typical cabling methods for indoor distribution optical ...

With OSFP 400G and PLC splitters from SDGI, designers can ensure that their indoor fiber networks are flexible, reliable, and won't be outdated in the future. If there is suitable fiber,

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Service Meter Long Distance From House

I don't want to run an extra cable just to bond the panel and the splitter box together. Another thought, would the splitter box just have to be bonded to the meter socket?

Sep 12, 2025

How to Use an Ethernet Cable Splitter: The Ultimate

Learn how to efficiently split an ethernet cable using a splitter with this ultimate guide. Connect multiple devices using a single network cable.

Sep 13, 2025

Introduction to Passive Optical Network Splitter Architectures

Fiber Broadband Association Technology Committee February 2025 The choice of splitter architecture for a passive optical network (PON) network can impact many aspects of a Fiber to the X (FTTx)

Mar 30, 2026

Ethernet Splitter 101: Everything You Need to Know

Everything you need to know about Ethernet splitters, including types, factors to consider when choosing one, and tips for installation and

Sep 05, 2025

Co-ax splitter for Internet & TV

Is it better to keep the initial run (before the splitter) long, and have the split lines shorter, or the other way around? Or, best to put the splitter about halfway between entry point and endpoint?

Nov 12, 2025

Question

The cable box outside, my office, all the bedrooms, and basement are all of the same side of the house. The switch will give me flexibility to hardwire additional ethernet ports in my kids...

Aug 07, 2025

Understanding the Coax Splitter: A Diagram of

A coax splitter diagram illustrates how to split and distribute the signal from a coaxial cable to multiple devices, such as TVs or modems.

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How to Install a 2 Way Coaxial Splitter: A Step-by-Step Guide

Installing a 2-way coaxial splitter is a simple yet crucial step when it comes to setting up a home entertainment system or establishing a cable TV network.

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Mini-Split Wiring: The Complete Guide

Communication Wiring Communication Wiring is the nerve center of a mini split system, ferrying real-time data between the indoor unit and outdoor unit

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Fiber Optic Splitter: How It Works & Types Guide

This guide demystifies fiber optic splitters, explaining their design, operating principles, types, key specifications, and real-world applications.

Dec 20, 2025

How far from the TV/Internet splitter can I place the cable modem ...

Yes, in any normal sized house, you can use a typical Cable splitter and run a RG6/RG59 cable to another location where the cable modem is placed. Neither the loss through the cable

Apr 26, 2026

How to Install a 4 Way Splitter for Cable TV: 13 Steps

When you have all the cables together, with the cable cutter, cut about 1" off the end of the cable although it has been cut already. This clean cut

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DSL Splitter Near the NID

Identify a path where you can route a new cable for the DSL data from the location where you plan to locate the DSL modem/router. If you're using an indoor splitter, make sure the splitter location will

Oct 25, 2025

Cable Splitters vs. Taps

Splitters: Signal is splitted evenly - Good for equal length cable runs. Usually ideal for areas where cellular amplifier is installed in a central location

Mar 01, 2026

Coax Network Considerations For MoCA| Motorola

The maximum cable distance supported between the root splitter and the farthest cable outlet is 100 yards (90 meters). You are not using your coax cable for

Jul 05, 2025

What would happen if you run a cable from the ISP into a splitter and ...

Our cable box, for whatever reason the landlord has, has a Y-splitter that presumably accepts the ISP cable as input, and splits the signal to two outputs. My ISP technician bypassed this and just routed

Oct 30, 2025

Optical Splitters: Split Ratios, Splitting Architectures & PON Network ...

Choosing the right split ratio depends on three interrelated factors: distance, bandwidth demand, and cost. Optical signals lose power (attenuation) as they travel through fiber—typically

Sep 28, 2025

Splitting Success: The Ideal Number of Splitters for Your Cable Line

The efficiency and performance of your cable line are heavily dependent on the presence of proper splitters. With the evolving landscape of technology and the increasing demand for

Jan 24, 2026

Introduction to Passive Optical Network Splitter Architectures

In this configuration, typically more than one splitter is located in a cabinet some distance away from the OLT. Fewer fibers are used on the side of the network feeding the splitter.

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How Does a Cable TV Splitter Work?

What is a cable TV splitter and how does it work? A cable TV splitter is a device that is built to provide multiple outlets for one signal. There are many variations of splitters, ranging from a simple two-way

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How to Connect a Splitter to Another Splitter: A

Splitters are essential tools for distributing signals across multiple devices, whether in fiber optic networks, cable TV systems, or home

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How to Connect a Splitter for Use With Cable and High

If your business gets cable TV and high-speed internet access from the same company using the same line, you can use a coaxial splitter to connect your

Jan 23, 2026

A Guide to 1x16 PLC Splitters for MDU Fiber Deployment

This allows a single fiber optic cable to deliver internet connectivity to sixteen individual units within an MDU. Benefits of 1×16 PLC Splitters for MDUs

Jul 05, 2025

Optical Splitters: Split Ratios, Splitting Architectures & PON Network ...

This guide focuses on two critical aspects of optical splitters that define FTTH performance: split ratios (how signals are divided) and splitting architectures (how splitters are

Dec 14, 2025

Maximizing Internet Connectivity in Large Homes: A

Splitters are ideal for extending connectivity to nearby devices without requiring separate cables from the switch. Evaluate the layout of your home,

Contact Us

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