

What types of FTTR splitters are there



Overview

Splitters come in 1-2, 1-4, 1-8, 1-16 and 1-32 versions. They typically have connectors on the fanout side. You use splitters in the field to allow you to share a single backbone fiber among up to 32 houses. By understanding these elements, network operators can design PON (Passive Optical Network) systems that. Generally, two kinds of fiber optic splitters are popular, which are FBT splitters and PLC splitters. The differences between the two have been stated in another article— FBT Splitters vs. More recently, odd split ratios such as 1x3, 1x5, etc have found some use. They are used in FTTH systems if you decide to go with a GPON architecture (see the Optical Line Terminal page for an overview of GPON vs Point to Point). Conversely, it can also combine multiple signals into one.



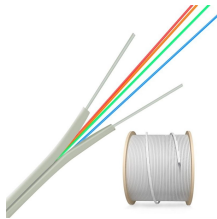
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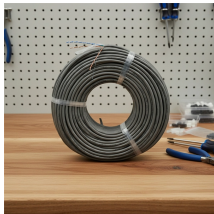
The configuration below has individual splitters at a central location, but addresses that are typically not reconfigurable by jumpers, so this configuration is a “distributed” split.



Based on manufacturing technology, operating principles, and practical application requirements, several types of fiber splitter are available on the market. Each type differs in splitting ...



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 ...



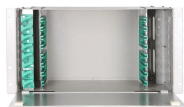
There are two main manufacturing technologies for optical splitters, each with its own advantages and ideal use cases. The choice between them ...



There are two main manufacturing technologies for optical splitters, each with its own advantages and ideal use cases. The choice between them depends on your application requirements.



Learn how to choose the right fiber optic splitter for FTTH and FTTX deployments. Compare PLC splitter ratios, packaging types, and installation options.



At MEISU, we specialize in designing and manufacturing a full range of fiber optic splitter types that meet the highest performance standards. Whether you need PLC, FBT, Mini Module, or Rack Mount ...



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In this guide, you'll learn how fiber splitters function in PON networks, the difference between PLC and FBT types, and how to choose the best model for your rollout in 2025.



Splitters used in a GPON system are passive (meaning they aren't powered), and bi-directional, allowing light to travel in both directions. Splitters come in 1-2, 1-4, 1-8, 1-16 and 1-32 versions. They typically ...



In summary, FBT splitters are suitable for cost-sensitive, small-scale applications, while PLC splitters are the preferred choice for modern optical distribution networks that require stability, ...

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