

Splitter Fiber Optic Coupling System Manufacturer



Overview

We offer a full line of fiber optic couplers and splitters supporting SM, MM, PM, large core, and double-clad fibers across 300–2000 nm, with power handling up to 100 W and operating temperatures up to 300°C. Optical splitters and couplers split or combine light—distributing signals injected into a single fiber strand to multiple fibers, enabling point to multi-point communication in Fiber To The Home (FTTH) networks based on ITU. T PON standards such as GPON, XGS-PON and new 25 and 50G standards. Three fabrication methods are employed: fusion, micro-optics, and planar lightwave circuit. Thorlabs offers a varied selection of single mode (SM), polarization-maintaining (PM), multimode (MM), and double-clad fiber couplers, as well as 1x8 and 1x16 SM PLC splitters; 1x4, 1x8, and 1x16 PM PLC splitters; wideband multimode circulators; RGB combiners; and WDMs. A Fiber Optic Splitter is a passive optical component used in FTTH, FTTx, GPON. Fiber optic couplers and splitters are manufactured using the fused biconical taper process on fully software controlled automatic fabrication stations. The process consists of placing two or more fibers adjacent to each other, then fusing and stretching them to create a central coupling region. A. Evanescent Optics Inc. 1dB), high isolation (<-25dB) PM fiber-optic couplers in both fixed ratio and variable models.

Article Content

Fused Fiber Optic Couplers / Splitters

Our SM and double-clad fiber coupler offerings also include a selection of components ideal for OCT applications.

Fiber Optic Couplers | Fibertronics, Inc.

Fibertronics offers fiber optic couplers/splitters. These are available in single mode or multimode. Splitters with a defined split ratio from one or two input fibers to 2 output fibers. The available split ...

Fiber Optic Splitters Manufacturers and Suppliers in the ...

Custom manufacturer of non-absorbing dielectric beam splitters for medical imaging, laser alignment, laser attenuation, sensor, heads-up display and fiberoptic device applications.

18 Fiber Optic Splitter Manufacturers in 2026

This section provides an overview for fiber optic splitters as well as their applications and principles. Also, please take a look at the list of 18 fiber optic splitter manufacturers and their company rankings.

Fiber Optic Splitter Manufacturer | PLC & FBT Splitters

A fiber optic splitter is a passive optical device used to divide optical signals in FTTH and PON networks. Spring Optical offers PLC splitters and optical fiber couplers for stable and low-loss optical distribution.

Fiber Couplers/Splitters/Combiners

We offer a full line of fiber optic couplers and splitters supporting SM, MM, PM, large core, and double-clad fibers across 300–2000 nm, with power handling up to 100 W and operating temperatures up to ...

Evanescent Optics INC.

Our small footprint couplers, splitter/combiners and other components can be configured as NxM port, splice free coupler arrays and as custom assemblies fabricated for high ER and low loss.

Fibersense & Signals

Welcome to the Website of Fibersense & Signals Inc. Home Of Innovative Fiber Optic Technologies & State-Of-The-Art Products

Optical Splitters for Central Office/Headend

CommScope offers a portfolio of bare and connectorized splitters/couplers in a wide range of styles and split ratios, and splitter modules for inside plant (ISP) and outside plant (OSP) applications that help ...

Contact Us

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