

Bundle-shaped optical cable with splitter



Overview

Multiple fiber bundles separate or combine beams. Up to several thousand fibers can be combined in a fiber bundle; thus, there is no limit to the active area/cross. FiberTech Optica delivers fiber optic bundles to meet almost any requirement. Any number of legs can be mapped, randomized, or patterned to customer. Optical fiber bundles provide maximum freedom in light guidance: bundling, homogenizing, or targeted distribution – even under high optical loads. 5, they are available with two. 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. Using our combiners and splitters you can equip your optical (in particular QCL) system for flexible and effective work.



Article Content

Mar 15, 2026

Fiber Optic Bundles

Fiber optic bundles may feature only lightweight furcation tubing as protection for the fibers if they are intended for use in the laboratory or other benign environments,

Sep 15, 2025

Fiber Bundles, Assemblies

Many of our customers' products, systems or manufacturing processes require using a fiber optic cable assembly to allow the opto-electronic sensing components to

Oct 06, 2025

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

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Fiber Optic Bundles

Custom Fiber Optic Bundles and Arrays for Specialized Applications XSOF designs and manufactures high-performance fiber optic bundles and arrays tailored to your specific requirements. Our

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Fiber Bundles – flexible light pipes, fiber rods, profile

Branched fiber bundles can be used, for example, as splitters for illuminating multiple spots with a single light source, or as combiners for multiple signals sent to a

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Custom optical bundles and probes for complex

IDIL designs custom optical bundles and probes, from UV to NIR, for complex applications, using customized fibers, connectors, and high-precision assembly.

Feb 21, 2026

Through-Bore Multi-Mode Fiber Bundles-JCOPTIX MALL

Fiber optic cables are fixed in a circular pattern at both ends of the joint, with three working bands available: 200-1100 nm, 350-1800 nm, and 400-2400 nm. Cable

Feb 06, 2026

Your Go-to Guide to Optical Splitter

The optical splitter is an optical power distribution device that splits one optical signal into multiple optical fiber signals to achieve multichannel transmission.

May 23, 2026

12 Core Single Mode Fiber Optic Bundle Cable Patch

Fiber optic bundle cable pigtail has connectors at one end, and a break out fiber bundle at the other end. All the fiber break out are connected to other fiber optic

Jul 26, 2025

Fiber Optic Bundles | Suppliers

Manufacturer of specialized optical fiber, subassemblies, and hybrid photonic solutions. Products include multimode silica optical fibers, pigtails, cables, bundles and assemblies, vacuum feedthroughs,

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Shop Beam Splitters & Passive Optical Splitters

Explore our collection of optical cable splitters and PON splitters for sale. Optical beam splitters are used to split the fiber optic light evenly into several parts at

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fiber optic bundles | Photonics Dictionary | Photonics Marketplace

Fiber optic bundles consist of multiple optical fibers grouped together within a common protective sheath or coating. These bundles are used to transmit light from one point to another, often for imaging,

Mar 27, 2026

Optical Fiber Bundles for Industry, Medical & OEM | CeramOptec

Custom-assembled optical fiber bundles for laser, sensing, and UV applications - precise light distribution and reliable beam guidance for demanding environments.

Aug 01, 2025

Optimize Your Selection: A Guide to Choosing the Right

Choosing the right optical splitter can be confusing with so many options available. This guide will simplify the process and provide valuable

May 13, 2026

Comprehensive Technical Guide to Fiber Optic Bundles

Explore Fiberoptic Systems Inc.'s technical guide on fiber optic bundles. Detailed insights into construction, types, applications, and custom solutions. Contact FSI

Nov 11, 2025

Multimode Fiber Bundles

Thorlabs offers multimode fiber bundles in straight, bifurcated (Y-cable), or fan-out configurations and round or linear bundle end configurations. Our stock fiber optic

Mar 04, 2026

Fiber assemblies for light and laser delivery

Light splitters Light combiners V-groove assemblies Fiber matrix assemblies Using an optical light splitter, light from a single input can be split into any necessary

Feb 14, 2026

Fiber assemblies for light and laser delivery

The simplest fiber optical light splitter is a bundle with one common end at the input side and two outputs. Fibers at the common end are randomized—fibers are

Sep 20, 2025

What is Fiber Optic Splitter and Types

This post provides a introduction to fiber optic splitters, their types, functions, and several popular Gcabling optical PLC splitters.

Jun 19, 2026

Fiber Optic Splitters | PLC & FBT Optical Splitters

Discover a wide range of reliable fiber optic splitters. Our PLC and FBT splitters offer low loss and various split ratios for FTTH, PON, and CATV networks.

Oct 01, 2025

Fiber Optic Cables and Bundles | FindLight: Compare 300+ Products

Explore a wide range of fiber optic cables and bundles for your research or industrial applications from top global suppliers. Browse our selection now on FindLight.

Jul 20, 2025

Optical Fiber Bundle

A fiber bundle is an assembly of 2 or more optical fibers in a sleeve or with a connector attached to the ends of the bundle.

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Combiners and Splitters

FlexiRay® multimode fiber combiners and splitters are designed to meet customer requirements with different fiber types, diameters and

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Bifurcated Fiber Bundles: 2 Fibers

Thorlabs' Bifurcated Fiber Bundles, also known as fanout or Y-cables, are constructed from two high-grade optical fibers encased in stainless steel tubing

Sep 05, 2025

Optical Fiber Bundle

Also, bundled fiber can change the light emission shape through alignment of the fibers in a straight line or in a rectangle, and bundles can split the light path by setting up branching points. For these points,

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Fiber Bundles, Assemblies

Product PortfolioAMS Technologies' broad portfolio of fiber optic assemblies ranges from single fiber cables terminated with industry standard connectors at both

Oct 14, 2025

What Is an Optical Splitter?

What's an optical splitter? How does the fiber optic splitter work? How many fiber splitter types? How to choose the right fiber splitter? Find the answers

Jun 05, 2026

Optical Splitters for Central Office/Headend

CommScope's Optical Splitter Modules are part of our value-added module (VAM) system that provides flexibility, scalability and functionality to an optical transport

May 04, 2026

Assembled Optical Fiber Bundles

Optical fiber bundles for sensor applications consist of arranged fibers. Multiple fiber bundles separate or combine beams. For this purpose, fibers consisting of independent strands are combined with a

Contact Us

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