

Fiber Optic Coupler 5050



Overview

Couplers with a $\text{Ø}50\text{ }\mu\text{m}$ core fiber are featured on this page and are available with a 50:50, 75:25, 90:10, or 99:1 coupling ratio. These couplers have a max power level of 2 W with connectors or unterminated (bare) fiber and 4 W when spliced (see the Damage Threshold tab for). Thorlabs' 1x2 Multimode Fiber Optic Couplers are designed to split light over a wavelength range that is dependent on the fiber's hydroxyl content. High-OH couplers (Item #s ending in 'A') operate from 400 nm to 900 nm, while low-OH couplers (Item #s ending in 'B') operate from 400 nm to 2200 nm. 1x2. Designed with a compact packing case that is specifically suitable for Fiber optic gyro (FOG), this mini polarization maintaining (PM) coupler can not only split the input power evenly just as the normal PLC splitter produced by MEISU but it can also maintain the beam polarization effectively. SENKO's Single-mode Fiber Couplers are highly stable for multi-port optical signal splitting with low insertion loss. All devices are qualified according to industry standard test procedures. The specifications are not. Two year warranty. See Thorlabs' General Terms and Conditions. Compliance-Related Questions?

Email compliance@thorlabs. Need a product customized?

We can customize our products to fit your requirements.



Article Content

Apr 09, 2026

1x2 Fiber Coupler, 1550nm, 50:50,FC/APC

These couplers are ideal for applications that require light to be split from a single input into two outputs at a specific, narrow wavelength range and coupling ratio.

Oct 20, 2025

Fiber Optic Couplers (Splitting Ratio: 50/50)

On FindLight marketplace you will find 7 different Fiber Optic Couplers (Splitting Ratio: 50/50) from top global suppliers. Compare features, request pricing, and connect instantly with manufacturers — no

Nov 14, 2025

FOBER FBT COUPLER (50/50 STEEL TUBE TYPE) (2 NOS)

Description FOBER FBT COUPLER (50/50 STEEL TUBE TYPE) (2 NOS) FBT coupler, is an optical splitter that uses the Fused Biconic Taper (FBT) technique. The FBT technique is a well known

Jun 26, 2026

SC-LC DX Hybrid Fiber Optic Adapter Coupler with High Durability

SC-LC DX Hybrid Fiber Optic Adapter offers >1000 cycles durability, -40°C to +85°C operating range, and ceramic/metal sleeves for minimal signal loss. Ideal for telecom networks with OEM/ODM

May 11, 2026

LC/UPC to LC/UPC Duplex OS2 Fiber Optic Adapter with Ceramic

LC/UPC to LC/UPC Duplex OS2 Single Mode Fiber Optic Adapter/Coupler without Flange Fiber optic adapter, sometimes also called a coupler, is a small device designed to terminate or link fiber optic

Mar 20, 2026

Amazon : Fiber Optic Coupler

Discover fiber optic couplers for network connectivity. Find SC, LC, and ST adapters with low insertion loss for reliable connections.

Sep 17, 2025

1x2 Step-Index Multimode Fiber Optic Couplers, Ø50 µm Core

Multimode Couplers with Ø50 µm Core, 0.22 NA Step-Index Fiber 400 - 900 nm or 400 - 2200 nm Wavelength Range 50:50, 75:25, 90:10, and 99:1 Coupling Ratios
Terminated with SMA905 or

Jan 24, 2026

1x2 high-directivity multimode optical coupler

SEDI-ATI specializes in fiber optics and manufactures high-directivity multimode optical couplers. Ask for a quote!

Apr 23, 2026

L-Com Passive PM FBT Coupler, 1 X 2, 50:50 1550nm,

This L-com PPMF-125055-12N PM FBT passive coupler from ShowMeCables is in stock and ready to ship same-day. This 1 x 2, 50:50 fiber coupler has high PER

Feb 11, 2026

Mini PM Coupler (50:50), Polarization Maintaining

Designed with a compact packing case that is specifically suitable for Fiber optic gyro (FOG), this mini polarization maintaining (PM) coupler can not only split the input

Aug 15, 2025

Single-Mode Fiber Coupler 1x2 (50/50)

SENKO's Single-mode Fiber Couplers are highly stable for multi-port optical signal splitting with low insertion loss. All devices are qualified according to industry

Mar 21, 2026

G& H Products | Fiber Optics | PM Coupler

Using our proven fused biconical taper (FBT process), G& H manufactures high-grade PM couplers that offer high extinction ratio with minimal optical loss, with coupling ratios from 1:99 up to 50:50, as well

May 07, 2026

Multimode Fiber Optic Couplers | Fiber Optic Couplers

Newport's Fiber Optic Coupler family has been developed using fused fiber technology. These multimode fiber optic couplers allow bi-directional coupling

Jul 18, 2025

Mini PM Coupler (50:50), Polarization Maintaining

MEISU's mini PM coupler 50:50 is similar with 1x2 PM fiber optic PLC splitter. It is fabricated with waveguide chip, single channel polarization-maintaining fiber

Mar 13, 2026

Thorlabs · TM50R5F1B 1x2 Multimode Fiber Optic Coupler, Low OH,

Look up a data sheet for a previously sold item. Our customer service teams will reach out if these items are revised. We welcome your thoughts!

May 02, 2026

LC Female to ST Male Hybrid Fiber Optic Adapter with $\leq 0.5\text{dB}$

A fiber optic adapter, also known as a coupler, is a compact device designed to terminate or link fiber optic cables and connectors between two fiber optic lines. The LC-ST Hybrid Fiber Optic Adapter

Feb 13, 2026

Single-Mode Fiber Coupler 1x2 (50/50)

Single-mode Fiber Coupler 1x2 (50/50) SENKO's Single-mode Fiber Couplers are highly stable for multi-port optical signal splitting with low insertion loss. All

Mar 23, 2026

Single-mode Fiber Coupler 1x2 (50/50)

Get product specifications, Download the Datasheet, Request a Quote and get pricing for Single-mode Fiber Coupler 1x2 (50/50) on GoPhotonics.

Jan 20, 2026

808 nm, 2x2, Single Mode Fused Fiber Optic Couplers / Taps

Thorlabs offers both wideband and narrowband fiber optic couplers. All specifications are measured without connectors during the manufacturing process. Additional information on the testing process

Mar 29, 2026

1550 nm 1x2 Single Mode Fused Fiber Optic Couplers /

Thorlabs' Single Mode 1x2 Fiber Optic Couplers, also known as taps, have a flat spectral response across the entire specified range. They are available with a

Dec 04, 2025

F-PMC-1550-50 Polarization Maintaining Coupler

The F-PMC-1550-50 Polarization Maintaining (PM) Fiber Optic Coupler utilizes evanescent wave coupling to provide a fixed 50/50 ratio 2x2 coupler, with high

Jan 11, 2026

Fiber Optic Ratio Coupler – 50:50 Splitter

Fiber optic 50:50 splitter for equal signal distribution. Reliable ratio coupler ideal for FTTH and optical network applications.

Jan 11, 2026

FBT COUPLER FIBER (50/50 STEEL TUBE TYPE)

The FBT technique is a well known industry technology for splitting optical power and/or splitting wavelengths. The fused fiber coupler is created through a process

Mar 19, 2026

As Fiber All Band 50:50 Coupler 1270~1625nm (Pack of 2)

Buy Fiber All Band Coupler 1270~1525nm. This Fiber 50:50 All-Band Coupler is a single-mode fiber optic device used for splitting optical signals.

Dec 06, 2025

1x2 Multimode Achromatic Fibre Optic Coupler

CP-A 1x2 Multimode Achromatic Fiber Optic Couplers SEDI-ATI's Mul mode Achromatic Fiber Optic Couplers are manufactured using a proprietary process based on a wavefront division technology.

Oct 25, 2025

1x2 Step-Index Multimode Fiber Optic Couplers, Ø50 µm Core

High-OH fiber is preferred for the visible region, while low-OH fiber is preferred for the infrared region and telecom applications. Couplers with a Ø50 µm core fiber are featured on this page and are

May 02, 2026

Secureye Optical Ratio Coupler 50:50 (Pack of 4) -

This type of coupler simply divides the signal into two outputs. The power distribution ratio between two outputs can be precisely controlled, in this coupler as 50/50

Nov 06, 2025

1x2 Multimode Large Core Fibre Optic Coupler

CP-LC 1x2 Multimode Large Core Fiber Optic Couplers SEDI-ATI's Mul mode Large Core Fiber Optic Couplers are manufactured using a proprietary process based on a wavefront division technology.

Contact Us

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