

User optical cable dual window



Overview

Dual-window optical coupler combines and splits incoming light over 1310nm and 1550nm wavelength simultaneously, and offers wide bandwidth ($\pm 40\text{nm}$) for both windows. This type of couplers are used in systems where those two wavelength windows are required, such as WDM, FTTx. Our fiber optic couplers can be integrated into a ruggedized housing with 3 mm reinforced Kevlar fiber jackets. Contact Tech Sales for details. Lower excess loss makes device have lower signal attenuation in operation, thus reducing the power. Double-window fiber, also known as dual-window fiber, is a type of fiber optic cable designed specifically to support two different wavelengths of light. It is commonly used in applications such as communication networks, video transmission, and data transfer, as well as in sensing and monitoring. Fiberdyne Splitter/Coupler devices are bi-directional. If they are used to combine signals then they are “couplers. Splitters with a defined split ratio from one or two input fibers to 2 output fibers.



Article Content

Oct 01, 2025

Single vs. Dual Fiber: How to Choose the Right Cable for Your Network

Choosing the right fiber optic cable is essential for optimizing your network setup. In this video, we'll explore the differences between single (simplex) and dual (duplex) fiber cables, helping ...

Jun 25, 2026

Dual Window Fiber Optic Splitter 1310-1550nm ABS Box

Dual Window Fiber Optic Splitter 1310-1550nm ABS Box Type Fbt Coupler Sc 1X2, Find Details and Price about Fiber Optic Splitter and Fiber Coupler Splitter from

Dec 29, 2025

Dual Window Three Window SMF Fiber Optical FBT

Dual window coupler (DWC) is built by asymmetric coupling technique. The operating bandwidth of this normal coupler is expanding to $\pm 40\text{nm}$, and the ultra

Jun 07, 2026

Fiberdyne Labs, Inc. 850/1300nm Dual Window

Fiberdyne Labs Dual Window Couplers/Splitters devices are bi-directional. They can be used to combine a signal (Couplers) or divide a signal (Splitters).

Dec 23, 2025

1310/1550 nm Dual-Window, Single Mode Fiber Optic Couplers

1x2 couplers are manufactured using the same process as our 2x2 fiber optic couplers, but have only one input port for simplified use and cable management.

Sep 11, 2025

Double-window Fiber (Dual Window Fiber)

Overall, double-window fiber is an excellent choice for applications that require the transmission of two different signals over a single fiber cable. It is reliable, lightweight, and flexible, and can be used with

Apr 08, 2026

Fiber Optic Couplers | Fibertronics, Inc.

Fully Customizable Singlemode Fiber Optic Dual Window Coupler. Single mode & multimode couplers available online from Fibertronics with same day shipping. The available split counts are 1x2 and 2x2

Jan 31, 2026

Dual Window Coupler (DWC) | Optical Passive

Dual Window Coupler (DWC) Dual window coupler (DWC) is built by asymmetric coupling technique. The operating bandwidth of this normal coupler is expanding

Jul 07, 2025

Fiber optic Dual Window Coupler

Coupler Type 1x2, 2x2 Dual Window*1 + < < *2 < *3 1x2 > > 2x2 > View PDF data sheet Package Information

Aug 02, 2025

1310/1550 nm Dual-Window, Single Mode 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 coupling ratio of 50:50, 75:25, 90:10, or

Dec 15, 2025

Cables For Dual Monitor Setup

Get connected with the best cables for your dual monitor setup at Best Buy. Shop a wide selection of high-quality cables to enhance your viewing experience today.

Jul 31, 2025

How to set up multiple monitors on Windows 11 and

On Windows 10, you can use these tips to configure a multi-monitor setup, whether you're using a laptop, desktop, or a powerful workstation.

Aug 13, 2025

How to use multiple monitors in Windows

Learn how to connect your Windows PC to external monitors and adjust the display settings.

Nov 14, 2025

Fiber optic Dual Window Coupler

Fiber optic Dual Window Coupler Quick Jump to PI Products - Fiber Optic Patchcords - Specialty Patch Cords * MTP/MPO patch cords * Ribbon fan-out cords * Mode conditioning patchcords - Fiber Optic

Jan 01, 2026

FBT Fiber Optic Splitter Dual Window

The FBT fiber optic splitter are have single window, dual window and triple window for option in various package with required ratio. the FBT Fiber Optic Splitter Dual

Jul 26, 2025

Multi-Mode Fiber Coupler

Get product specifications, Download the Datasheet, Request a Quote and get pricing for Multi-Mode Fiber Coupler - Dual Window on GoPhotonics.

May 31, 2026

Tree and Star Dual Window Coupler Module

The Tree and Star Dual Window Coupler Module from Opneti is a Fiber Optic Coupler with Excess Loss 0.3 to 0.75 dB, Insertion Loss <7.2 to 19 dB, Bandwidth

Nov 04, 2025

The Bandwidth & Window of Fiber Optic Cable

For Fiber Optic Cable speaking, its bandwidth is infinitely high, transmission capacity is infinitely large and the transmission distance is infinitely far. Besides, optical fiber cable is also ...

Jan 31, 2026

Singlemode coupler 2x2 Ultra Broadband Dual window

Ultra broadband operating High stability and reliability Various Fiber options Various Pigtail options Various Length options Various Connector options: FC=FC/UPC SC=SC/UPC FA=FC/APC

Nov 30, 2025

1310/1550nm Dual Window Fiber Coupler

The Coupler, also known as Splitter, is a device that divides optical signals from one optical fiber into many optical fibers. It is an optical passive element and is widely

Feb 24, 2026

How to set up dual monitors in Windows

Dual monitors are a great way to boost your productivity and multitasking capabilities. Here's how to set them up.

Feb 12, 2026

Customized 1x2 Singlemode DWC Fiber Optic Coupler

Dual window couplers take minimal distortion during usage due to their small form and bending insensitive cables, ensuring stable optical transmission. The use of

Aug 08, 2025

1x2 / 2x2 Single Mode Dual-Window Broadband Fiber Optic

The FC Series fiber optic coupler is based on Agiltron's fused biconical taper technology and compact packaging structure. It features good uniformity, low excess loss and very low polarization sensitivity.

Mar 23, 2026

1x2 Singlemode Dual window FBT Coupler

1x2 Singlemode Dual Window FBT Coupler With FC/APC Connector 0.9mm Fiber optic coupler is a device applied in optical fiber systems with one input fiber and several output fibers. For the

Mar 14, 2026

1x2/2x2 Single Mode Optical Couplers

Dual-window optical coupler combines and splits incoming light over 1310nm and 1550nm wavelength simultaneously, and offers wide bandwidth (± 40 nm) for both windows. This type of couplers are

Aug 31, 2025

User's Guide to Fiber Optic Video Transmission -

Wavelength remains a significant factor in fiber-optic developments. Figure 3 illustrates the wave-length "windows." Table 1 shows the wavelength of

Aug 25, 2025

Dual Window Passive Optical Coupler 1m FSC / APC ABS Box Type

Dual Window Passive Optical Coupler 1m FSC / APC ABS Box Type PLC (Planar Lightwave Circuit) Splitters are Single-mode splitters with an even split ratio from one input fiber to multiple output

May 07, 2026

Dual Window Fused Couplers

The Dual Window Fused Couplers from Phoenix Photonics Ltd is a Fiber Optic Coupler with Excess Loss 0.05 to 0.08 dB, Insertion Loss 1 to 7.1 dB, Bandwidth ± 40 nm, Wavelength 1300 to 1625 nm,

Nov 20, 2025

Singlemode Dual Window Fiber Optic Coupler

Singlemode Dual Window Fiber Optic Coupler Flyin Optronics" Singlemode Dual Window Coupler 1x2, 2x2 offer very low insertion loss, low polarization

Contact Us

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