Oct fiber optic coupler



Overview

An extended wideband fused coupler (EWOC) for use in optical coherence tomography (OCT) at 850, 1060 or 1310 nm, with a bandwidth of ± 100 nm. Fiber optic couplers are used to form the interferometer in OCT systems to generate depth information. Our wideband couplers feature a broad spectral range with minimal spectral dependency, making these couplers ideal for. 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 1x2 port version is also available. Need a product customized?

We can customize our products to fit your requirements.

Article Content

OCT Fused Fiber Optic Couplers

Thorlabs'' Wideband OCT Fiber Optic Couplers are designed for splitting and mixing optical signals with specific coupling ratios and are useful in many interferometry

Fused Fiber Optic Couplers / Splitters

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

OCT Wideband Coupler 2 x 2 port version

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OCT wideband Couplers for Optical Coherence Tomography, with 2 x 2 port configuration. A 1x2 port version is also available. Various coupling ratios and connector options are available. 2x2 Port.

Wideband Couplers | Fiber optic couplers

Fiber optic wideband couplers are used in the optical coherence tomography (OCT) light engine to form the interferometer that OCT systems use to generate depth information.

G&H Products │ Fiber Optics │ 850, 1060, 1300 nm

Using our proprietary fused fiber technology, this coupler is designed for low loss and wide bandwidth operation. The EWOC splits over an extended bandwidth

Optical fiber coupler | Optical Fiber Components

Optical fiber couplers are the most typical optical fiber components used for splitting/combining or multiplexing/demultiplexing optical signals. We

OCT Wideband Coupler 1 x 2

OCT wideband Couplers are used for splitting and mixing optical signals with specific coupling ratios in many interferometry techniques, such as Optical Coherence Tomography.

Double-Clad Fiber Couplers Enhance Multimodal OCT Results

A schematic of a double-clad fiber (DCF) coupler used in a bidirectional configuration for concurrent OCT and fluorescence imaging. The DCF (top fiber) carries the OCT signal (red), while the

Fiber Couplers – optical fiber

Fiber couplers can be used in fiber interferometers, for example for optical coherence tomography (OCT). Specially designed broadband couplers are often

EXTENDED WIDEBAND OCT COUPLER (EWOC)

The EXTENDED WIDEBAND OCT COUPLER (EWOC) from G&H are Extended Wideband Fused Fiber Optic Couplers that operates at wavelengths of 850 nm,

COXO YUSENDENT CX207-G Dental Fiber Optic High Speed

Description: Brand: COXO YUSENDENT CE Certificated LED Fiber Optic High Speed Air Turbine Standard / Max Torque head Quick Coupling Feature: Bearings:myonic Brand Bearings. Made In

Indoor Wall Mounted Fiber Optic Distribution Box (96 Couplers

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This wall mount fiber optic enclosure is meant for indoor use and can accommodate up to 96 fiber couplers (96 SC or ST simplex couplers or 96 LC duplex couplers) *Note, there are only enough

StarTech MPO/MTP Coupler, Single Mode/Multimode Fiber

StarTech MPO/MTP Coupler, Single Mode/Multimode Fiber Adapter, Key Up-Key Down, Fiber Optic MPO/MTP Coupler - Green buy at discounted prices. Great Prices and nationwide delivery

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 and can be used to either split or combine

Pacific Funds, LLC 60 Pack SC/APC Duplex Fiber Optic Coupler

This is a pack of 60 fiber optic couplers with SC/APC connectors. Designed for singlemode fiber optic networks, these duplex adapters connect two fiber cables securely. They are used to join fiber lines

1X4 SC/APC Fiber Optic FTTH Splitter FBT Optical Coupler 1:4 SC

Yhteenveto High-Performance 1x4 PLC Optical Splitter, This 1x4 SC/APC fiber optic FTTH splitter is designed for stable and precise optical power distribution in FTTH, FTTB passive optical network

Specialty Optical Fibers | Coherent

Coherent Specialty Optical Fibers provide a range of SM, MM, and PM fiber for laser and amplifier, beam delivery, geophysical sensing, gyro, and medical applications.

PacSatSales

PacSatSales fiber optic couplers are ideal for any optical cable extender. Every optical coupler is tested to ensure a high quality end product Clean & Ready to Install - All SC Fiber Adapters are polished &

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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