

Fiber optic cable 1310 connector

Article Overview

A 1310nm fiber optic cable uses a 1310-nanometer wavelength for data transmission, commonly paired with single-mode or multimode fiber and connectors like LC, ST, or FC for medium- to long-distance optical links.

Overview of 1310nm Fiber Optic Cables

Fiber optic cables operating at 1310nm are widely used in networking and telecom applications because this wavelength offers low signal attenuation and minimal chromatic dispersion, making it suitable for medium- to long-distance transmission . The 1310nm wavelength is compatible with both single-mode fiber (SMF), which can transmit up to 40 km, and multimode fiber (MMF), which typically supports distances up to 2 km .

Connector Types

1310nm fiber cables can be terminated with various connector types, depending on the application:

- LC (Lucent Connector): Small form factor, commonly used in data centers and high-density applications .
- ST (Straight Tip): Bayonet-style connector, often used in industrial or legacy networks .
- FC (Ferrule Connector): Ceramic ferrule with narrow key, providing high return loss and stability, often used in precision or polarization-maintaining applications . Each connector type ensures proper alignment of the fiber cores and minimizes insertion...

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A 1310nm fiber optic SFP requires single-mode fiber cable, most commonly OS2 Cable with LC connectors. Using the correct fiber

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F-CPL-S14130 Optical Fiber Coupler

The F-CPL-S14130 single wavelength optical fiber couplers allow bi-directional coupling and can be used to either split or combine

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1310/1490/1550nm Optical Coupler Fiber Optic Splitter/Combiner

Lfiber's 1310/1490/1550nm optical coupler (fiber optic splitter/combiner) shows uniform performance across the three optical windows

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Mouser offers inventory, pricing, & datasheets for LC Singlemode 1310 nm Fiber Optic Transceivers.

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2ZR6AA-10

The durable 2ZR6AA-10- 10" Multimode Duplex Fiber Optic Cable with ST-ST connectors help add fiber capability to industrial

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SFP Module LC SingleM 1310nm at Cables N More

Get the most out of your network equipment with these Cisco Equivalent SFP Fiber Modules from Networx SFP Module - Fiber Optic,

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

Custom coupler configurations with other wavelengths, fiber types, coupling ratios, connectors, port

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SFP Wavelength Guide: 850nm vs. 1310nm vs. 1550nm

Authoritative SFP wavelength guide: compare 850nm, 1310nm, 1550nm applications, link-budget implications,

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Learn the differences between single-mode (SMF) and multimode fiber (MMF), understand 1300nm vs 1310nm SFP transceivers,

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Fiber Optic Wavelengths Explained: 850 vs 1310 vs 1550 nm

Light in optical fiber travels in the near-infrared region, far beyond visible light, and choosing the right transmission

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Fiber-optic cable

Different types of cable are used for fiber-optic communication in different applications, for example long

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1310nm/1550nm Fiber Optic Coupler (Optical Splitter)

Lfiber's 1310nm/1550nm fiber optic coupler (optical splitter) is a passive optical device coupling light signals from one (or more) fiber

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Single-Mode vs Multimode Fiber and 1300nm/1310nm SFP

Understanding the differences between 1300nm and 1310nm SFP transceivers is essential for ensuring compatibility and

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1310/1550nm Fused WDM Coupler (Ultra-high Isolation)

Lfiber's fused fiber optic WDMs are excellent choices and extensively used for telecommunications applications, fiber amplifiers,

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Singlemode 1310 nm Fiber Optics

Singlemode 1310 nm Fiber Optics are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Singlemode

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Polarization-Maintaining Fiber Optical Patch Cable

These polarization-maintaining fiber optic patch cables are terminated on both ends with high-quality, narrow key, ceramic FC/PC

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Single-Mode Optical Fiber (SMF)

Draka Single-Mode Fiber (SMF) provides optimum performance in both the 1310 nm and 1550 nm wavelength operation ranges

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Fiber Optic Transceiver SFP Gigabit Ethernet, 10 km

The L-com FXC-SFP1G-31-10 features a 1310 nm transmitter and supports 10 km links over single mode

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Fiber Optic Connector Types: A Beginners Guide

The fiber connector types, sometimes referred to as terminations, link fiber optic cables

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XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM

The XG-SFP-LR-SM1310 is aligned to IEEE 10GBASE-LR optical specifications and supports a link length of up to 10 kilometers

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1310nm Polarization Maintaining Fiber Connector/Patch Cable

These polarization-maintaining fiber patch cords offered by Idealphotonics feature high-quality, narrow-pin ceramic FC/APC

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LC 1310 nm Fiber Optic Transmitters, Receivers, Transceivers

Mouser offers inventory, pricing, & datasheets for LC 1310 nm Fiber Optic Transmitters, Receivers, Transceivers.

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SFP+10G 1310nm 10Km LC Optical Module Guide

SFP+10G 1310nm 10Km LC Optical Module Detailed Specifications The SFP+10G 1310nm 10Km LC optical module is a widely used

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Everything You Need to Know About 1310nm Optical Modules

A 1310nm optical module lets you move data efficiently through fiber optic communication networks. As part of the O

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Understanding Fiber Optic Cables and Connectors

Understanding Fiber Optic Cables and Connectors in Modern Networks This whitepaper takes a deeper

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The FOA Reference For Fiber Optics

Topic: Optical Fiber Table of Contents: The FOA Reference Guide To Fiber Optics Optical Fiber Fiber Optics is the communications

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Fiber Optic Cables | Corning

With 2 billion kilometers of fiber optic cables installed around the globe, Corning continues to lead the

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TRIPP LITE Multimode Fiber Optic to RJ45 Ethernet, PoE+ 48

About this item EXTENDS NETWORK CONNECTION OVER FIBER OPTIC CABLE: Extends both power (48 VDC) and 10/100/1000

Contact Us

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