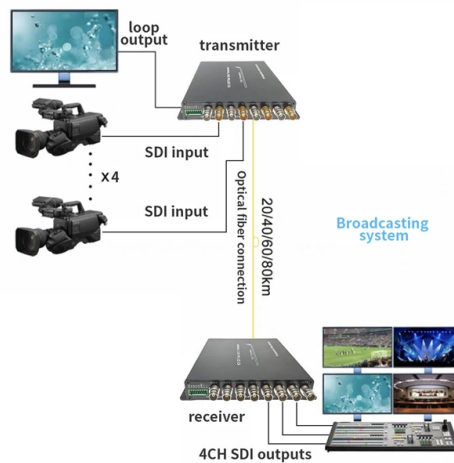


1310 Optical Cable Parameters



Overview

It details the fiber's geometrical, optical, transmission, and mechanical parameters, categorized into fiber attributes (retained post-cabling and installation), cable attributes (for cables as delivered), and link attributes (for concatenated cables, with. It details the fiber's geometrical, optical, transmission, and mechanical parameters, categorized into fiber attributes (retained post-cabling and installation), cable attributes (for cables as delivered), and link attributes (for concatenated cables, with. This document outlines the specifications for a single-mode optical fiber and cable designed for use around the 1310 nm zero-dispersion wavelength, suitable for both the 1310 nm and 1550 nm regions, and compatible with analogue and digital transmission. It details the fiber's geometrical, optical. A 1310nm optical module lets you move data efficiently through fiber optic communication networks. This frequency is known for having very little dispersion, which makes it perfect for medium-range communication like that found in cities or between them. These modules are widely used to deliver 10. 3125 Gbps. Characteristics of optical components and subsystems Characteristics of optical systems G. 699 For further details, please refer to the list of ITU-T Recommendations.

Article Content

Jun 19, 2026

Insertion Loss Troubleshooting Tip: Singlemode 1310 vs. 1550

Dan Rocheleau, Termination Expert at Fiber Optic Center, Inc. has published a new tip based on his work in fiber

Jul 01, 2026

Can 1310nm be used for multimode?

Yes, 1310nm can be used for multim optical communication. This wavelength is commonly used for both single-mode

Jun 13, 2026

R1310-HTA, Radiation Resistant Select Cutoff SM Optical Fiber

R1310-HTA operates identically to SMF-28FA with improved radiation performance and can withstand high electrical field strengths,

Nov 09, 2025

1310nm Single Mode Fiber Optical Transceivers Explained

A 1310nm single mode fiber optical transceiver is one of the most widely used optical transceivers in modern fiber-optic networks,

Nov 04, 2025

What is the difference between SFP 1310nm and 850nm?

The main difference between SFP modules operating at 1310nm and 850nm is the wavelength at which they transmit optical signals.

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Fiber Optic Cable Specifications Guide

This document provides specifications for single mode and multimode optical fibers according to various ITU-T and IEC standards.

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1310B-HP, Select Cutoff SM Optical Fiber

Coherent 1310B-HP and 1310B-HP-V0 high-performance Select Cutoff single-mode fibers are optimized for dual wavelength

Apr 16, 2026

Fiber Optic Wavelengths Explained: 850 vs 1310 vs

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

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Fiber Optic Wavelengths Explained: 1310nm vs 1550nm

Fiber wavelengths at 1310nm and 1550nm minimize signal loss and dispersion, enabling efficient long-distance data

Jul 26, 2025

The FOA Reference For Fiber Optics

The core is designed to have a higher index of refraction, an optical parameter that is a measure of the speed of light in the material,

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Recommendation ITU-T G.652 (08/2024)

This Recommendation describes a single-mode optical fibre and cable which has zero-dispersion wavelength around

Aug 26, 2025

Technical Characteristics Of 10G Optical Modules With 1310nm And

There are three wavelength windows for 10G optical module communication applications, namely the 850nm window,

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

Understanding SFP+ optical modules and their different types helps in selecting the right transceiver for your network needs. The

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Recommendation ITU-T G.652 (08/2024)

This document outlines the specifications for a single-mode optical fiber and cable designed for use around

Sep 14, 2025

Optical Fiber and Cable Characteristics

wavelengths are accounted for. dAttenuation for single-mode optical fiber cables for 1310 nm and 1550 nm is defined in ITU-T G.652.

Jan 07, 2026

Single-mode optical fiber

In fiber-optic communication, a single-mode optical fiber, also known as fundamental- or mono-mode, is an optical fiber designed

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Which Loss Measurement Wavelengths? | Kingfisher International

Application note: Which loss measurement wavelengths do I need to test for fiber optic cable and networks.

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1300nm and 1310nm wavelengths in Fiber Optic Communications

I would like to know if there is any differences between Optical interfaces using 1310nm or 1300nm. Can a 1310nm

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Insertion Loss Troubleshooting Tip: Singlemode 1310 vs. 1550

In Singlemode cable assembly, the 2 wavelengths used for Insertion Loss testing are 1310nm & 1550nm. Read the

Mar 09, 2026

SFP-10G-LR Specifications: Optical, Electrical & Link Params

In the next sections, we break down the optical, electrical, and link parameters in detail, explaining how each value is defined, why it

Jun 28, 2026

Everything You Need to Know About 1310nm Optical

A 1310nm optical module lets you move data efficiently through fiber optic communication

May 28, 2026

Understanding 1310nm Fiber: A Comprehensive Guide

Explore the complexities of 1310nm fiber wavelengths in this comprehensive guide. Learn

Oct 11, 2025

What is the difference between 1300nm and 1310nm?

It is a popular choice for short to medium-distance optical communication. In summary, while the numerical difference

Jul 20, 2026

What is difference between 1310nm and 1550nm?

Accordingly light sources at these three wavelengths have been commercialized. These are the wavelength of the, light source called

Nov 21, 2025

Recommendation ITU-T G.652 (08/2024)

Characteristics of a single-mode optical fibre and cable Summary Recommendation ITU-T G.652 describes the

Mar 19, 2026

Multimode Optical Fiber Selection & Specification

Table 5 provides the bandwidth and attenuation parameters for OM-compliant fiber types specified in Tables 3 and 4. For a fuller

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Fiber Optic Wavelengths Explained: 850 vs 1310 vs

Compare loss, transmission distance, and real-world applications to choose the right

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Optical Fiber for 1310 nm Single-Mode and 850 nm Few-Mode

ABSTRACT In this paper, we present an optical fiber that is single-mode at 1310 nm window and few-mode at 850 nm window with

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Specifications For Fiber Optic Networks

Specifications For Legacy Fiber Optic Networks A listing of many fiber optic LANs and links available in the last 30 years, with basic

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