1310nm Long-Distance Optical Cable Warranty

Article Overview

1310nm long-distance optical transceivers typically come with either a lifetime or multi-year warranty, ensuring reliability and long-term performance.

Warranty Overview

Many 1310nm single-mode fiber (SMF) transceivers, such as 1000BASE-LX or 10G SFP+ modules, are offered with industry-leading warranties. For example, standard 1.25Gbps 1310nm SFP modules supporting 10 km distances often include a lifetime warranty, covering defects in materials and workmanship under normal operating conditions . Similarly, 10G SFP+ modules designed for long-reach applications (10-40 km) generally come with a 5-year warranty, ensuring coverage for both enterprise and carrier-grade deployments .

Warranty Coverage

These warranties typically cover:

o Manufacturing defects in lasers, ICs, and other components.
o Compatibility and performance assurance, including environmental testing for temperature, wavelength, and transmission distance .
o Replacement or repair of defective modules during the warranty period. Some premium modules, like BlueOptics 1000BASE-LX LC Duplex SFP, are designed with high-quality components from leading manufacturers (e.g., Broadcom, Lumentum) and are tested to exceed 10 years of service life, effectively extending reliability beyond the standard warranty .

Practical Considerations

When selecting 1310nm long-distance optical modules:

o Check the warranty type: Lifetime vs. fixed-term (e.g., 5 years).
o Verify environmental and platform compatibility: Modules are often tested for specific switches, routers, or storage systems .
o Consider manufacturer reputation: Modules from established brands often provide more reliable warranty support and replacement services.

Summary

For 1310nm long-distance optical cables and transceivers, you can expect robust warranty coverage, ranging

from lifetime warranties for standard 1G modules to 5-year warranties for 10G long-reach modules, ensuring dependable performance in metropolitan, campus, and regional networks . Always confirm the warranty terms with the supplier to match your deployment requirements.

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

The commonly used wavelengths in optical fibers are 850nm, 1310nm, and 1550nm, which have longer waveforms and therefore

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit

Optical communication plays a crucial role in modern information transmission, enabling high-speed data transfer

All cables and cable assemblies used must be compliant with the standards specified in the standards section. Table

In this work, the real-time backbone long-distance optical fibers (single mode) are tested and analyzed with two

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

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

Data rate and dispersion At very high symbol rates over long distances, chromatic dispersion at 1550 nm

Standard 10GBASE-LR SFP+ transceiver. Supports 10 Gbps data links up to 10km on Single Mode Fiber at 1310nm. Features DDM

Copper and Fiber Optic Cable Standard Product Warranty Optical Cable Corporation (OCC) warrants that all copper and fiber optic

The optical transceiver module is an important part of the network nowadays as it helps to transmit data at high speed

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Optical fiber communication systems use specific wavelength windows in the

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

General Cable warrants that its product will conform to its applicable specifications and will be otherwise free from defects in material

Optical Cable Corporation, in conjunction with Certified Multimedia Design & Integration Specialist ("MDIS") Installers around the

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