

If the fiber optic cable is down will the switch light stay on



Overview

Fiber optic cables transmit light, not power. Your ONT, router, and WiFi depend on local AC power. That's why when the lights go out, your fiber internet power outage disconnects you, even if the provider's system is up and running. Will my provider. Despite their robustness, fiber networks can fail due to: Physical Damage : Cuts, bends, or contamination in fiber cables or connectors. Hardware Failures : Faulty transceivers, switches, or routers. Environmental Factors :. Contact Surf support if the light remains off and you're experiencing issues. What If All Lights Are Off?

If none of the lights are on: Check that the ONT is plugged in and the outlet has power. If the ONT still shows no lights, it may be a. There is a single mode optical fiber cable in our datacenter going from a Cisco N5K to another N5K across different racks. The link appears to be dead and I'm hoping to fix it, but I have little to no experience with fiber. This guide offers practical steps to troubleshoot fiber optic cable issues, covering common problems, key tools, and preventive measures to ensure stable performance. A small investment in a battery backup, often called an. Some switches have a solid link light, while others will have both transmit and receive lights that flash as traffic is sent and received, and some switches may have other ways, such as a single light that flashes for traffic in any direction.

Article Content

Feb 23, 2026

Everything you need to know about fiber optic termination

Fiber Optic Termination Tutorial We terminate fiber optic cable two ways - with connectors that can mate two fibers to create a

Feb 03, 2026

Troubleshooting Fiber Cables

There is a single mode optical fiber cable in our datacenter going from a Cisco N5K to another N5K across different

Oct 25, 2025

How to Keep Fiber Internet Working During Power Outages

Because fiber lines don't carry electricity, your ONT (Optical Network Terminal), router, and WiFi equipment need to be powered.

Sep 12, 2025

How to Troubleshoot Fiber Internet Outage: Step-by-Step

Experiencing a fiber outage can be frustrating, especially when you rely on internet services for work,

Dec 27, 2025

How does a fiber optic cable work?

Light traveling through the fiber bounces at shallow angles like this and stays completely within the fiber.

May 13, 2026

Basic fiber optic question

Also - do you see light coming from the patch cable when it's plugged into the switch? you should be able to shine the

Sep 15, 2025

Solved: Re: What would cause all fiber optic ports on a switch to go ...

Hi. On a big industrial plant we've replaced an old HP switch with a brand new couple of C2960x switches in stack

Jul 18, 2026

How do fiber optics work: what makes light stay in the

To explain how fiber optics work, and to ascertain what makes light stay in the fiber, this blog

Oct 31, 2025

Does Fiber Internet Keep Working During Power Outages?

When the power goes out, you can stay connected to the internet with the right service. Discover how fiber internet

Oct 24, 2025

How Do I Know if My Fiber Optic Cable is Broken? Simple Ways to ...

Observing Physical Damage Or Abnormalities When trying to determine if your fiber optic cable is broken or

Jun 29, 2026

How to Troubleshoot Fiber Internet Outage: Step-by-Step

If there are no lights, please check the unit for power by examining both ends of the power cable, ensuring the cables are plugged in.

Dec 24, 2025

Set Up a Fiber-Optic Network in Your Home or Office (2026)

Learn about the various fiber-optic components used for running fiber in your house, office, or between buildings. Find

Apr 13, 2026

How does light travel down a fibre optic cable?

At the core of the fibre optic cable is a strand of plastic or pure optical glass about 0.01mm in diameter. Surrounding it is a highly

Sep 30, 2025

Fiber Optic Switches and Their Uses

There are two types of fiber optic switches commonly available. A so-called "moving fiber switch" and a switch that converts an

Feb 07, 2026

Lights on SFP on one side but not the other? : r/networking

Lights on SFP on one side but not the other? I am connecting 2 switches via SMF using SFP transceivers. One switch shows light

Apr 15, 2026

Fiber Optic Troubleshooting Guide: Problems, Tools & Solutions

This guide offers practical steps to troubleshoot fiber optic cable issues, covering common problems, key tools, and

Mar 11, 2026

Fix Fiber Jack Connection Issues

Fix Fiber Jack Connection Issues Your Fiber Jack is the small device that connects your home to the GFiber network. If your internet

Dec 21, 2025

What Do the Lights on My Fiber Equipment Mean?

Not sure what the lights on your fiber equipment mean? This guide explains each status light and how to troubleshoot common issues.

Jun 06, 2026

Fiber Internet During a Power Outage

Learn how Table Top Telephone's fiber equipment and backup battery work during power outages, plus tips for staying connected

Jul 27, 2025

Troubleshooting Fiber Cables : r/networking

There is a single mode optical fiber cable in our datacenter going from a Cisco N5K to another N5K across different racks. The link

Feb 14, 2026

Common Fiber Optic Cable Issues and How to Fix Them

Most common fiber optic cable problems are fixable—often with a bit of know-how and the right approach.

Feb 17, 2026

THE TWO BIGGEST CAUSES OF FIBER LIGHT LOSS AND HOW

In order for the data to be transmitted successfully, the light must arrive at the far end of the cable with enough power to be

May 01, 2026

Fiber Optic Troubleshooting: Expert Guide for Common Issues

Fiber optic troubleshooting is an essential skill for network administrators, technicians, and engineers responsible for

Oct 06, 2025

Troubleshooting fibre connectivity.

While I was moving servers and switches to new IT room, i lost the fibre link between old and new building. So I

Mar 03, 2026

Fiber-optic communication

Modern fiber-optic communication systems generally include optical transmitters that convert electrical signals into optical signals,

Jan 13, 2026

Fiber ONT Troubleshooting

An optical network terminal (ONT) is a device that converts fiber-optic light signals from your internet service provider

Aug 14, 2025

Is my fibre optic cable toast? Whats wrong? Need...

That was my guess when I saw the title of the thread he's got a brake between the optical cable. I've even tried using

May 03, 2026

Fiber ONT Troubleshooting

Don't let optical network terminal (ONT) problems disrupt your fiber-optic experience. At BroadbandSearch, we

Jun 10, 2026

Ring and Ping: Quick Tips for Fiber Optic Troubleshooting

Troubleshooting Common Fiber Optic Problems: Quickly identify and resolve issues with Ring and Ping's tips for

May 16, 2026

Top 10 Fiber Optic Mistakes to Avoid | trueCABLE

Avoid costly fiber optic installation errors. Learn the top 10 things NOT to do with fiber optic

Jun 28, 2026

Complete Guide to Fiber Optic Home Networking | BroadbandSearch

Fiber internet is genuinely different from cable, not just faster, but built on different physics entirely. Instead of electrical

Nov 02, 2025

Fiber Network Troubleshooting – Common Issues & Fixes

Learn how to troubleshoot fiber networks. Identify common issues like high loss, dirty connectors, and signal drops,

Sep 08, 2025

Fiber Optic Troubleshooting Guide: Problems, Tools & Solutions

Learn how to troubleshoot fiber optic cables with common problems, a step-by-step process, essential tools, and

Dec 01, 2025

Why Your Fiber Link is Dead: The 2-Minute Fix for Polarity & Tx/Rx ...

Confused why your fiber links between switches won't come up? Learn the dead-simple truth about fiber polarity,

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

