

The router or fiber optic cable was struck by lightning



Overview

The first step following a suspected lightning strike is to prioritize safety by unplugging all network equipment from the wall outlet and disconnecting any connected coaxial, phone, or Ethernet cables. A lightning strike, whether direct or nearby, introduces a massive transient overvoltage into your home's electrical and communication lines, often overwhelming the delicate circuitry within networking equipment. This sudden event frequently leaves the router unresponsive, requiring a systematic. Fiber optic cables use glass instead of copper, making them completely immune to lightning-induced surges. To help protect my network, I've set up a fiber isolation barrier using a couple of fiber media converters. This simple trick keeps potential surges from traveling across.



Article Content

How to Build Lightning Protection System for Fiber Optic Cables?

Why fiber optic cables need lightning protection? How should we build a lightning protection system for them? Get details all here.

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Why Fiber Optic Cables Are Immune to Lightning Strikes

When lightning strikes near a copper telephone or cable line, the surge can travel along the metal conductor into your home, damaging modems, routers, and connected devices.

cs-178-project/imdb.vocab at main · apmalani/cs-178

Contribute to apmalani/cs-178-project development by creating an account on GitHub.

Can a RJ-45 cable be damaged by lightning : r/networking

I remember one of my network courses saying everything outside or between buildings should be connectd with optical fiber. Several months ago, we were hit by a lightning. We lost 3 intercoms which

How to Fix a Router After a Lightning Strike

A comprehensive guide to safely managing electrical strike damage to your router, determining replacement, and securing your network long-term.

Can Fibre router get struck by lightning? – Profound-tips

Can Fibre router get struck by lightning? Although the signals in fiber cables are optical signals, most of the outdoor optical cables using reinforced cores or armored optical cables are easy to get damaged

Zap! Can Lightning Go Through Fiber Optic?

Direct Strike: If a lightning bolt strikes a fiber optic cable directly, it can cause massive damage to the cable. The intense heat and electrical energy of the lightning bolt can melt the fiber

Best Methods for Protecting Against Surge Events in Ethernet and ...

Lightning surge events due to a ground loop are different from events caused by magnetic coupling (Faraday's law). The next few sections will address possible solutions for each.

A Capella: A Unique Compilation | PDF | Wellness

This document contains a long list of words beginning with "ab-" or "ac-". It does not appear to be a coherent text, but rather a collection of unrelated terms.

When Lightning Strikes! Ethernet Data Cable and

When Lightning Strikes! Ethernet Data Cable and Lightning Protection Written by Dave Harris, trueCABLE Technical Specialist, BICSI INST1 Certified

How to Protect Your Network from Lightning Damage

A direct lightning hit on your internet line or even a powerful surge nearby can send a massive current through your network cabling. Without protection, that current

Wi-Fi router repair after lightning strike

In this video I've repaired a cheap Wi-Fi router that got struck by lightning. Probably, the cable that was connected to the third port was too long (over 15 meters) and that was enough for nearby ...

Lightning struck a powerline, the surge fried my modem and router but ...

Lightning struck outside and now my modem and router are fried. Luckily my PC did the anti-surge shutdown via my Mobo and it's working fine today. What should I do moving forward? I've read surge

Can lightning damage an ethernet cable? The other night, the router

My neighbors cable lines got struck by lightning once and it fried every wired device on their network. I'm not sure if the cable itself can be damaged from this, but the devices that it's plugged into can be.

When Lightning Strikes. What works and doesn't work.

Most of the damage appears to have happened either by currents induced by the high potentials of the lightning, or by voltage spikes traveling via network cables.

Fibre optic Broadband (FTTP) during thunderstorms : r/Broadband

Fibre optic Broadband (FTTP) during thunderstorms We're switching to full fibre fttp next month, with our telephone broadband that runs through copper, I simply unplug from the mains socket during or

Prevent the Damage caused by Lightning in Fiber Optic Cabling

Fiber optic cables have good protection performance, and the metal components of cable's insulation value is so high that lightning current can not enter the cable easily.

Lightning damage to Ethernet connection

Lightning struck a tree that is a few feet from my house. Afterward, my computer couldn't connect to the internet. The connection ran from the cable modem to a router, then to the PC through

Baltic Sea cable sabotage timeline: From Nord Stream

In October 2025, a Finnish court dismissed a case against the Eagle S captain and crew for lack of evidence. November 2024: Baltic telecom cables

Cable modem ethernet not working after lightning strike

Cable modem ethernet not working after lightning strike Solved! Had a nasty lightning strike last night that tripped the breaker for the room my modem was in. All of the electronics in that room seem to

Solved: Lightning killed router... | Tech Support Guy

Bad storm last night, I got up and unplugged computer but did not unplug router. :mad: Heard an almighty bang, different than the usual thunderclap. This morning my dovado router

Ensuring Safety and Reliability: Fiber Optic Cable Lightning Protection

This article explores the importance of lightning protection for fiber optic cables, the potential risks lightning poses, and the strategies used to safeguard these critical infrastructure

Question

Hello, just the other day I had a horrible lightning storm with really bad take out electric grid type of lightning. Ever since then my router has been acting bad, the wireless works fine, but the

Lightning strike enters apartment through coaxial internet cable, blows ...

A lightning strike has reportedly turned an internet connection into a destructive pathway for thousands of volts, leaving behind a damaged router and PC motherboard.

My PC got struck by lightning through Ethernet cable

During the time of lightning I've unplugged everything except the power adapter of my modem and after sometimes I heard an explosion and the whole house was covered in smoke. And when it settled

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