

## Attacking fiber optic cables



### Overview

State-sponsored cyberattacks are increasingly targeting global data infrastructure, especially submarine fiber-optic cables, smart energy grids, and IT-OT converged systems. Researchers at NDSS 2026 demonstrate a covert acoustic eavesdropping attack that transforms standard FTTH telecom fiber cables into passive, undetectable listening devices invisible to RF scanners and immune to ultrasonic jammers. Security researchers from The Hong Kong Polytechnic University, The. This assessment seeks to provide law enforcement and public safety partners with an overview of how DVEs could adopt tactics used by criminal actors to damage US critical infrastructure to further their ideological goals. Threat actors use advanced techniques such as. Subsea cables are thick fibre-optic cables running along the bottom of the ocean that carry large amounts of data to connect the Internet between countries. The cables now extend for around 745,000 miles (1. One linked Finland and Germany while the other connected Sweden and Lithuania.



## Article Content

Palestinian Authority says internet down in Gaza after

The Palestinian Authority said internet and fixed-line communication services were down in Gaza on Thursday following an attack on the territory's last

Subsea fibre cables can "listen out" for sabotage

So, some companies are trying to monitor what's going on in the vicinity of any cable - by using fibre optic signals to listen out for surreptitious

Fiber Optic Cables Turned Into Hidden Microphones to Spy on Private ...

How the Attack Works Unlike traditional copper wires that emit detectable radio-frequency signals, fiber optic cables use light to transmit data and were long considered immune to remote

Special Report: Hezbollah's FPV Explosive Drone Threat

The optical fiber connects the operator to the drone with a physical cable the thickness of dental floss, completely nullifying the effectiveness of electronic warfare and spectral jamming upon

Eavesdropping via fiber-optic cables | Kaspersky official blog

Fiber-optic cabling utilizes ultra-thin glass threads for transmission, and is widely used not only for backbone data lines but also for connecting individual premises. And as it turns out, these

Hezbollah Deploys Fiber-Optic Drones, Echoing Tactics from Ukraine ...

Tel Aviv: Hezbollah has launched a new weapon against northern Israel in the latest round of fighting : small drones controlled with fiber-optic cables the width of dental floss that avoid ...

Officials are worried about Internet blackouts. How ...

US officials expressed concern this month that they're seeing more Russian activity around subsea cables which could lead to potential sabotage on a critical part of the world's Internet...

Fiber Optic Cables Turned Into Hidden Microphones to Secretly Spy

A covert acoustic eavesdropping attack that transforms standard FTTH telecom fiber cables into passive, undetectable listening devices invisible to RF scanners and immune to ultrasonic

Inside Ukraine's Fiber-Optic Drone War

Ukrainian commander gives us new details on the advantages and limitations of using fiber optic cables to control FPV attack drones.

## Hezbollah Using Fiber-Optic Drones Against Israeli Targets

The Lebanese militant group is attacking Israeli troops with explosive drones controlled by fiber-optic cables, like those commonly used in the war in Ukraine.

## Domestic Violent Extremists Express Interest in Targeting Fiber Optic ...

Violent extremists in France caused massive disruptions to telecommunications by targeting primary fiber optic cables in several regions. In Germany, travelers were left stranded after

## Wired FPV Drones on Optical Fiber: a Dead End, a

The use of a cable out of optical fiber makes a remote-controlled unit invulnerable to EW, so it seems like an ideal solution for FPV drones but there

## What are the emerging cyber warfare threats to

State-sponsored cyberattacks are increasingly targeting global data infrastructure, especially submarine fiber-optic cables, smart energy grids, and IT

## Hezbollah is using FPV drones attached to fiber optic cables that

The Israeli Air Force struck a Hezbollah drone launch position in Lebanon on May 9. Hezbollah is using First Person View (FPV) drones attached to fiber optic cables to attack Israeli soldiers ...

## Hezbollah deploys a potent new weapon designed to evade Israeli ...

Experts say Hezbollah is increasingly using fiber-optic drones with deadly accuracy, devices that are difficult to stop and even harder to detect.

## Undersea Cable Attacks : Global Impact & Threats

In an era defined by instant global communication and interconnected economies, the physical arteries of our digital world — the vast network of

## Standard fiber optic cables can be turned into remote microphones

Researchers have demonstrated that standard fiber-optic internet cables can be covertly repurposed into highly sensitive listening devices.

## Hezbollah adopts a new weapon: Fiber-optic drones, used widely in

TEL AVIV, Israel -- Hezbollah has launched a new weapon against northern Israel in the latest round of fighting: small drones controlled with fiber-optic cables the width of dental floss that

## Ukrainians Have Found an Effective Trick Against

Ukraine has been struggling with Russian drones that attack tens of kilometers behind the front line, dragging an optical cable behind them to protect

Palestinian Authority says Internet down in Gaza after attack on fiber ...

Palestinian Authority says Internet down in Gaza after attack on fiber optic cable The Israeli war on Gaza has caused massive damage to infrastructure across the Palestinian territory,

Researchers Show Fiber Optic Cables Can Be Used to Eavesdrop on ...

Researchers demonstrate that fiber optic cables can be exploited to eavesdrop on conversations, raising concerns about physical-layer network security.

Hezbollah deploys hard-to-stop fiber-optic drones against Israel

But fiber-optic drones are not controlled remotely. They have a thin cable that connects an operator directly to the drone, making it impossible to electronically jam.

"Your Wi-Fi cable could be a secret microphone": How ...

With minimal cable access, commercially available tools and AI, attackers can technically listen in to your conversations via your fiber optic cables.

Russia accused of escalating hybrid attacks in Europe after Baltic Sea ...

Russia has been accused by European governments of escalating hybrid attacks on Ukraine's Western allies after two fibre-optic telecommunication cables in the Baltic Sea were severed.

Hezbollah adopts fiber-optic drones, used widely in war in Ukraine

Hezbollah has introduced fiber-optic drones in its conflict with Israel. These drones, similar to those used in Ukraine, are small, hard to detect, and lethal.

## Contact Us

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

Website: <https://www.blazingfast.co.za>

Email: [info@blazingfast.co.za](mailto:info@blazingfast.co.za)

Phone: +27 83 416 7295

Address: Plot 45, Silicon Savannah Road, Tatu City, Kiambu 00900, Kenya

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

