

## Fiber optic cable turned on



### Overview

Security researchers from The Hong Kong Polytechnic University, The Chinese University of Hong Kong, and the Technological and Higher Education Institute of Hong Kong have disclosed a critical side-channel attack that turns ordinary fiber optic internet cables into hidden. Security researchers from The Hong Kong Polytechnic University, The Chinese University of Hong Kong, and the Technological and Higher Education Institute of Hong Kong have disclosed a critical side-channel attack that turns ordinary fiber optic internet cables into hidden. 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. !! NEW RESEARCH: Fiber-optic cables can be turned into a hidden microphone and used for eavesdropping. The paper was presented at NDSS 2026, one of the top cybersecurity conferences in the world. A fiber optic technique used to detect earthquakes can also pick up the faint vibrations of nearby speech, researchers reported this week here at the general assembly of the European Geosciences Union. Freely available

artificial.

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



Researchers at NDSS 2026 demonstrate a covert acoustic eavesdropping attack that transforms standard FTTH telecom fiber cables into passive, undetectable listening devices invisible ...



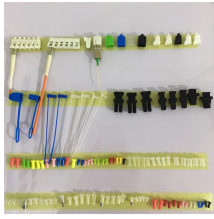
A fiber optic technique used to detect earthquakes can also pick up the faint vibrations of nearby speech, researchers reported this week here at the general assembly of the European ...



International Cyber Digest (@IntCyberDigest). 41 replies. !! NEW RESEARCH: Fiber-optic cables can be turned into a hidden microphone and used for eavesdropping. Researchers from ...



Fiber optic cables running through your walls can be turned into hidden microphones that record every word spoken in the room. This is not a theory anymore.



For decades, fibre-optic cables have been considered the gold standard of secure communication. Unlike traditional copper-based systems, they transmit data using light, making them ...



Researchers show how standard fiber-optic internet cables can be turned into covert listening devices, capable of capturing conversations without detection.



A new 2026 research study reveals that these cables can be turned into hidden microphones capable of secretly capturing conversations. Researchers from The Hong Kong ...



By exploiting the sensitivity of optical fibers to acoustic vibrations, attackers can remotely monitor sound-induced deformations in the fiber structure and further recover information from the original sound ...

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Website: <https://www.yoahorroenergia.es>

Email: [hello@yoahorroenergia.es](mailto:hello@yoahorroenergia.es)

Phone: +233 54 318 7269

Address: Plot 28, Spintex Road, Accra, Greater Accra, Ghana

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