

Villagers cut fiber optic cable

Article Overview

Residents in Ukrainian villages have been cutting fiber-optic cables of FPV drones to disrupt drone operations and protect themselves from attacks.

In the Kharkov region, villagers reportedly used ordinary scissors to cut the thin fiber-optic cables trailing behind FPV drones operated by Ukrainian forces . These drones differ from conventional radio-controlled drones because they are connected to the operator via a long, transparent fiber-optic cable, which allows precise control and immunity to electronic warfare interference . When the cable is severed, the operator immediately loses control of the drone, rendering it ineffective.

Reasons for Cutting the Cables

Residents cited self-protection as a primary motivation. Ukrainian FPV drones were reportedly used to target civilian vehicles, cyclists, and pedestrians in some areas, prompting villagers to take direct action to neutralize the threat . By cutting the cables, villagers could prevent drones from completing attacks or gathering intelligence.

Technical Context

Fiber-optic drones unwind kilometers of cable during flight, which is extremely strong and lightweight . Unlike radio-controlled drones, these drones are not affected by jamming or electronic countermeasures, making the cable the critical vulnerability. Cutting it is one of the few ways to immediately disable the drone . The widespread use of these drones has also led to towns being covered in discarded fiber-optic cables, creating environmental hazards and risks to wildlife .

Strategic and Environmental Implications

While cutting the cables disrupts drone operations, it also highlights the intensity of drone warfare in the region. The accumulation of fiber-optic cables in towns like Lyman demonstrates the scale of drone activity and the environmental impact, as cables can entangle wildlife and act as barriers on the ground . This civilian intervention reflects both the desperation and ingenuity of residents in conflict zones, balancing immediate safety with broader operational consequences. In summary, villagers cutting fiber-optic cables is a tactical response to drone threats, exploiting the drones' reliance on physical cables for control, while also underscoring the environmental and strategic challenges posed by modern drone warfare .

"Early this morning our fiber optic lines were intentionally cut in Los Angeles due to vandalism," the internet



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and cable

Date: June 16, 2025 o By: Dan Goodin Incident Overview Over the weekend, thousands of Spectrum Internet subscribers in Van

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Residents of villages in the Kharkov region say they cut fiber-optic cables of Ukrainian FPV

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Learn how to repair a cut fiber optic cable with step-by-step instructions and helpful tips

Criminals frequently cut fiber optic lines, which they mistake for copper ones, also leading to devastating service

Connecticut police have charged two people with cutting more than 2,000 fiber optic cables, leaving over 40,000

The cables embedded in the fiber-optic drone are glass-based fibers that transmit information using light,



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serving to send control

Web: <https://www.kremgroup.co.za>

