

Ukrainian optical communication optical module



Overview

Ukraine's Unmanned Systems Forces have introduced universal fiber-optic navigation modules, named Shovkopryad ("Silkworm"), designed for integration into air, ground, and maritime drones. The "Silkworm" fiber optic module on a drone. Photo: Unmanned Systems Forces. The territory Ukraine controlled in Kursk relied on a single logistical route running from the Ukrainian city of Sumy to the Russian town of Sudzha. This indigenous innovation signals a major leap in. These drones are physically connected to the operator by a thin fiber-optic cable, which carries light signals instead of radio waves. Add TWZ Adding us as a Preferred Source in Google by using this link indicates that you would like to see more of our content in Google News results. Weekly insights and analysis.

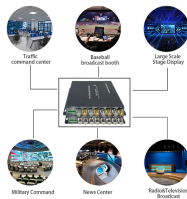
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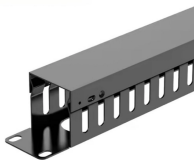
In February 2025, Ukraine's Unmanned Systems Forces unveiled the "Silkworm," a domestically-made modular fiber optic spool. It signals a serious ...



Ukraine's new Silkworm module is at the center of this development. It's built for air, ground, and sea drones. Two versions are being tested; one includes a warhead, and the other ...



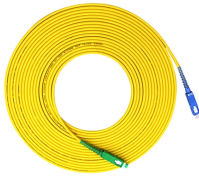
Putin says Ukraine war likely to end soon - despite Ukrainian battlefield gains He made the comments as Russia celebrated Victory Day - its annual commemoration of WWII - with a scaled ...



Ukrainska Pravda - Ukraine's news Valerii Zaluzhnyi Ukraine's Ambassador to the UK, former Commander-in-Chief of the Armed Forces of Ukraine



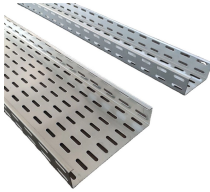
Ukrainian lessons for beginners: Learn to read the Cyrillic alphabet, discover your first words, and master the grammar with our help. Learn Ukrainian with the most effective online course.



Meeting "Madyar": the Ukrainian drones boss raining on Putin's parade After Zelenskyy, Robert Brovdi is Moscow's top assassination target owing to his long-range attacks deep within Russia



Ukraine, country located in eastern Europe, the second largest on the continent after Russia. The capital is Kyiv, located on the Dnieper River in north-central Ukraine.



Ukrainian armwrestling master of sport killed in action in Donetsk region Officer Ihor Hladkyi, a Master of Sport of Ukraine in armwrestling, was killed while carrying out a combat mission ...



Within months, more than 80 Ukrainian-designed fiber-optic systems had been approved for use, while the number of Ukrainian companies involved in producing or integrating this category ...



Ukraine continues to enhance its drone warfare capabilities with the introduction of the Shovkopriad fiber-optic communication module. Designed for ...



In a significant stride towards bolstering its defense capabilities, Ukraine has successfully developed and tested the "Silkworm" fiber optic ...



Back in February, Ukraine's Unmanned Systems Forces introduced universal fiber-optic navigation modules, named ...



Ukraine continues to enhance its drone warfare capabilities with the introduction of the Shovkopriad fiber-optic communication module. Designed for the FPV drones, ground robotic ...



Unlike traditional FPV (first-person view) drones, which rely on fragile radio links, fiber-guided drones communicate through optical cables. That makes them almost immune to ...



Ukrainian is a Slavic language that shares features with the neighboring languages of Polish, Belarusian, and Russian. It is written in the Cyrillic alphabet (like Serbian, Bulgarian, Belarusan, Mongolian, ...



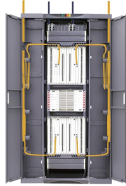
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Ukraine is a unitary state and its system of government is a semi-presidential republic. Ukraine has a transition economy and has the lowest nominal GDP per capita in Europe as of 2024.



The company's operational experience with fiber-optic systems on the Ukrainian frontline has generated valuable insights for improving both training protocols and technical procedures.



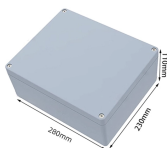
In February 2025, Ukraine's Unmanned Systems Forces unveiled the "Silkworm," a domestically-made modular fiber optic spool. It signals a serious push to ramp up domestic ...



Buy Optical Fiber Communication Module «Ptashka» (45 km) from Ukrainian manufacturer Ptashka Drones. Price: 36000 UAH. In-house production, high reliability, fast delivery and training.



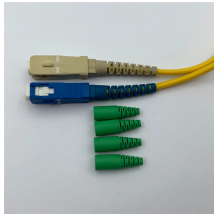
Ukrainian nationhood begins with the Kyivan Rus. This Eastern Slavic state flourished from the ninth to the thirteenth centuries on the territory of contemporary Ukraine, with Kyiv as its capital. The name ...



In a significant stride towards bolstering its defense capabilities, Ukraine has successfully developed and tested the "Silkworm" fiber optic modules, designed for seamless integration into ...



Back in February, Ukraine's Unmanned Systems Forces introduced universal fiber-optic navigation modules, named Shovkopryad ("Silkworm"), designed for integration into air, ground, and ...



Russian President Vladimir Putin on Saturday said he believes the Ukrainian conflict is nearing its end after he oversaw a military parade on Red Square commemorating the defeat of Nazi ...

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