

Special cable, only a few countries in the world can produce it

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This type of cable must use a special type of steel, with very high hardness and abrasion resistance, so the production cost is up to more than 1.3 million USD (equivalent to more than 34 billion VND).

The cable is braided from many small steel cables, around a synthetic plastic cable core, which can withstand a maximum pulling force equivalent to 92 tons. It is stretched 25-36m across the runway, while the two ends of the cable are connected to other cables under the deck with a length of nearly 400m, with a maximum pulling force of nearly 100 tons.



This cable system takes only 2 seconds to stop a 22-ton aircraft flying at a speed of 240 km/h with a stopping distance of only 105 m. And the process of bringing the plane to the parking lot and re-tensioning the cables to prepare for the next plane landing only takes 45 seconds.

The arresting cable and tow cable system must be carefully checked and the cable tension adjusted after each landing of each aircraft.



After about 125 arrests, the cables will be replaced, while the lifespan of the underdeck cables can be up to 1,400 arrests.

When the plane lands, this cable will pull a piston that moves along an oil-filled cylinder to absorb the plane's energy when landing. Depending on the weight of the aircraft, the amount of oil is adjusted accordingly. If the piston moves 1 m, the pull cable will release 18 m.

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