

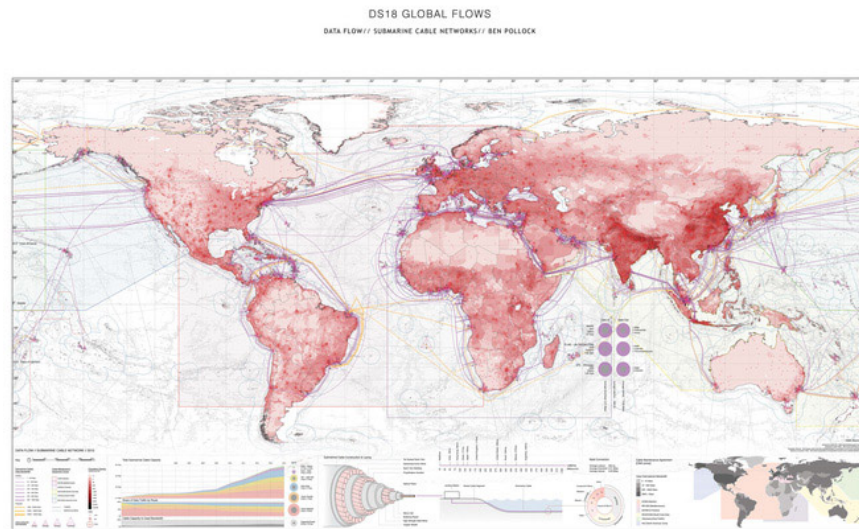
Map of 420 Internet cables, stretching 1.1 million kilometers on the seabed around the world

Currently, 99% of global Internet connections are caused by the undersea cable system.

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Development history of sea cable

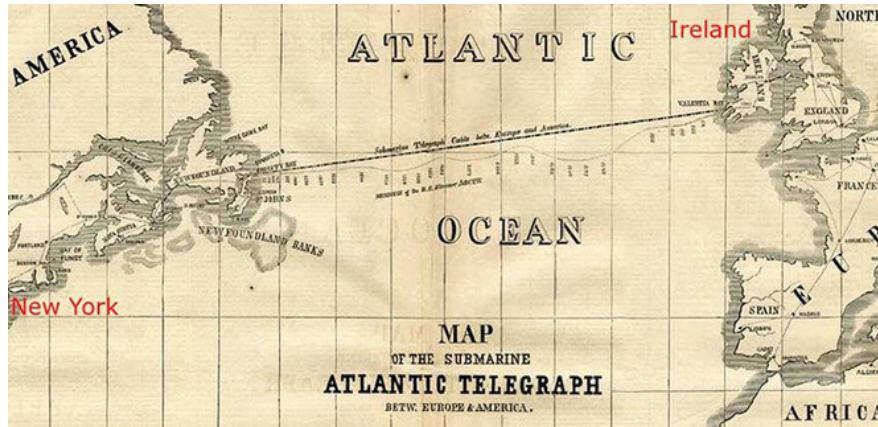
In 1858, the first transcontinental sea cable, running from Ireland to Newfoundland was installed. Thanks to that, people can communicate telegrams between England and Canada, although only limited to a few words per hour and very expensive but this is still the fastest speed communication that humans ever had at that time. .



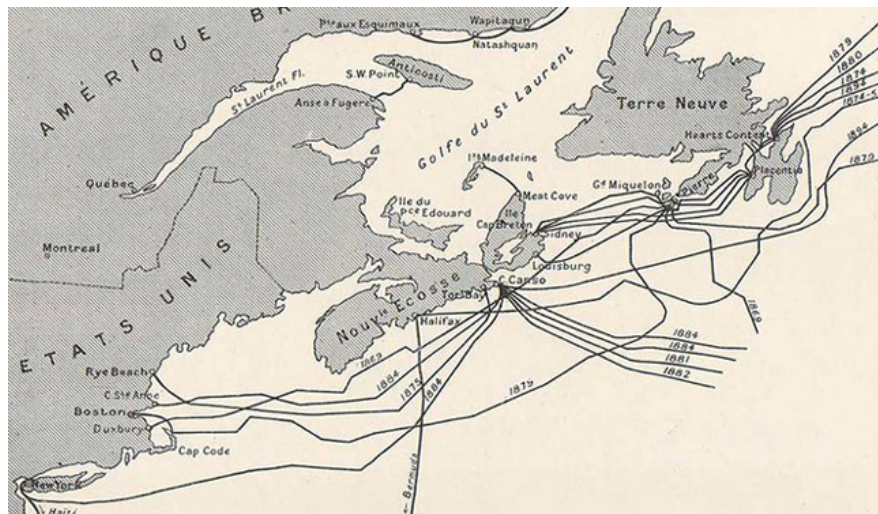
Map of undersea cable lines.

Being able to communicate instantly between two locations far from each other is a miracle and it has caused underground cable to explode. By 1900, more than 200,000 kilometers of cables were installed on the bottom of the ocean.

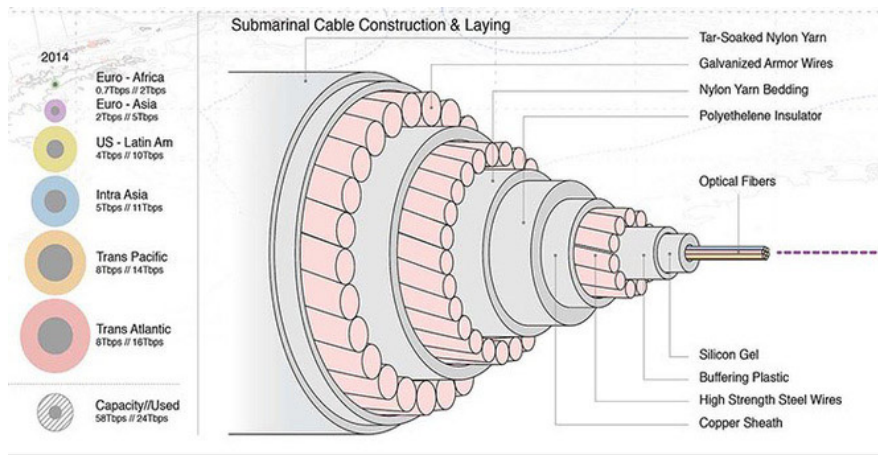
By 1956, the first transatlantic telephone cables were put into use. And the first fiber optic cable connecting Europe and America also appeared in 1988.



With fiber optic technology, information is transmitted in a large amount, fast and economical. Over time, the continuous transfer rate is increased and the fiber optic cable can transmit 160 terabit per second.



Currently, at the bottom of the oceans around the world, there are more than 420 active underground cables, stretching 1.1 million km connecting every corner of the world whether it is the Arctic Circle or remote Thai islands. Binh Duong. The focus of many cable roads is in areas with a developed information economy like New York and Singapore.



Structure of a fiber optic cable.

Who owns the ocean cable in the ocean?

Typically, cable lines will be owned by private companies or joint ventures established by network operators. But now more and more new cables are built by content providers like Google and Microsoft because of the great demand of cloud computing.

Currently, a number of other methods of providing Internet connectivity are also being used by major technology companies such as balloon-mounted satellites or unmanned aircraft.

Ocean cable map video on the ocean floor:

You can visit the link below to view the cable map in an intuitive form.

1. <https://www.submarinecablemap.com/#/>

See more:

1. The AAG marine fiber optic cable has a problem, the Vietnam Internet has gone international
2. 13 unexpected facts about sea cable routes
3. Will the global Internet be broken if all of the undersea cable lines are attacked?

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