

Ireland Intercontinental Optical Cable Network



Overview

A subsea telecoms cable, known as IRIS, has been installed between Galway and Iceland. This visualization shows the growth of the undersea cable network, global internet peering capacity, and the distribution of IP addresses via BGP announcements over time. Use the controls at the top to play the animation or step through year by year. For more details and insights, please read this. It is made up of over 550 individual cables, stretching to 1.4 million kilometers in total length. Three-quarters of all cables in the northern hemisphere pass through or near Irish waters, most of them off the southwest coast. The cable system will greatly increase capacity and diversity of. There have been calls for Ireland to increase its defence spending to ensure the protection of undersea cables. Chair of the US Senate Foreign Relations Committee Jim Risch said that Ireland's "strategic position" comes with "significant responsibility". Minister for Health Jennifer Carroll. Fibre-optic Link Around the Globe (FLAG) is a 28,000-kilometre-long (17,398 mi; 15,119 nmi) fibre optic mostly-submarine communications cable that connects the United Kingdom, Japan, India, and many places in between. The cable is operated by Global Cloud Xchange, a former subsidiary of RCOM.



Article Content

A) Illustration of the intercontinental optical fibre cable

The average span length is 46 km. CLS: Cable Landing Station. from publication: Frequency stability and phase noise measurements of a 5,860 km-long

Submarine Cable map

The cable network is centered around information economy hotspots like New York City and Singapore, but cables connect to just about everywhere.

Galway to Become a Gateway to Connectivity to Europe

“IRIS, a new submarine cable connecting Iceland and Ireland, is a major milestone in strengthening and securing Iceland's electronic communications with Ireland and other countries.

From dark fibre to subsea cables: The tech behind

Aurora Telecom's Sean O'Donnell discusses what the future of network connectivity needs, from dark fibre to upgraded subsea cables.

New Subsea Fibre Cable Links Ireland to the Isle of

Connectivity Services provider Aqua Comms has announced the completion of their work to deploy the Celtix-Connect 2 subsea fibre optic cable, which now runs

Internet Infrastructure Map (2026)

This visualization shows the growth of the undersea cable network, global internet peering capacity, and the distribution of IP addresses via BGP announcements over time.

PPI's Trade Fact of the Week: First intercontinental

The first fiber-optic cable, TAT-8, lit up in 1988; by 2002, the modern ultra-pure glass network had replaced copper entirely. Seventeen decades after

The Strategic Future of Subsea Cables: Ireland Case Study

Ireland's unique strategic position—linking transnational telecommunications cables between the United States, the United Kingdom, and continental Europe—makes it a key player in

Protecting critical subsea cable network vital for security

Protecting critical subsea cable network vital for security and data Irish mariner is at the heart of much of today's subsea cable network but we no

Couple object to Amazon subsea cable plan linking Ireland to US

The fibre-optic cable is to land in Ireland at Owenahincha, west Cork. It is part of the multimillion-euro "Fastnet" transatlantic underwater fibre-optic cable connecting Ireland and the US.

The greatest network the world has ever seen: The

The backbone of the internet is a series of undersea fibre-optic cables linking national telecoms networks. Often owned by companies or

Submarine cables. They transfer 98% of intercontinental

The reality is quite different, 98% of the data intercontinental transference is done through submarine cables. There is a gigantic network of

Interactive Map Depicts Global Submarine Cable

This regularly updated interactive map shows submarine fiber-optic cable systems around the world, both current and planned. It also provides

Why are subsea cables off Ireland causing continental concerns?

It is made up of over 550 individual cables, stretching to 1.4 million kilometers in total length. Three-quarters of all cables in the northern hemisphere pass through or near Irish waters,...

How many undersea cables pass through Irish waters?

Around 97% of the world's communications and internet traffic travels through a network of undersea fiber-optic cables - hosting banking systems,

Top 76 Fiber Optic Cable Manufacturers in Ireland (2026) | ensun

Discover all relevant Fiber Optic Cable Manufacturers in Ireland, including open eir and Crescent Infrastructure Ltd

Wired World: 35 Years of Submarine Cables in One Map

Watch the explosive growth of the global submarine cable network, and learn who's funding the next generation of cables.

How many undersea cables pass through Irish waters?

But where exactly are they? The graphic above shows how of the 550+ international subsea cables, nearly 75% pass through or close to Irish waters.

Submarine Fiber Optic Cables: Connecting Continents

Yielding unparalleled speeds and global connectivity, submarine fiber optic cables have transformed the way we communicate, but their story holds

Why are subsea cables off Ireland causing continental

Around 97 percent of the world's communications and internet traffic travels through a network of undersea fiber-optic cables. Almost ten trillion euro

Fibre-optic Link Around the Globe

At each cable landing point, a FLAG cable station is located. The total route length exceeds 27,000 kilometres (16,777 miles; 14,579 nautical miles), and comprises 1,020 kilometres (634 miles) of

Broadband

The Metropolitan Area Networks (MANs) are State-owned telecoms networks which consist of carrier-neutral telecoms duct and fibre optic cable rings linking the main commercial and

Ireland a "Gateway to Europe" as Ministers Ryan and Smyth welcome

Ireland is actively pursuing a strategy to be a "Gateway to Europe" for subsea telecoms cables. The State is poised to become a key international connectivity hub between North America

Map: The World's Network of Submarine Cables

Satellites get all the glory, but 99% of the world's data actually flows through a vast network of fiber optic submarine cables.

Geo Networks Completes Optical Fibre Cable System Between UK and Ireland

Geo Networks Ltd (Geo), a leading fibre network provider, has announced the completion of the newest diverse optical fibre ring between the UK and Ireland, providing the most advanced,

Submarine fibre-optic cable boosts Ireland's global connectivity

It greatly enhances Ireland's global connectivity and underpins Ireland's position as an ideal location for multinational companies and the associated development of large data centres. Sea

Submarine Cable Map | Interactive Global Undersea Cables

This interactive submarine cable map shows global undersea and underwater fiber optic cables connecting continents and countries worldwide. Explore cable routes, landing stations, system status

IRIS Subsea Cable Project | Iceland to Ireland Fibre System | MDM

The IRIS subsea cable connects Iceland to Ireland with over 1,500km of fibre infrastructure. MDM delivered engineering, permitting and project management from concept to operation.

Submarine Cable map

The animated map below created by Quartz shows the explosive growth of underwater cables from 1990 to 2016. Cables with a combined

Connected Ireland: How subsea fibre optic cables help to drive our ...

Subsea fibre optic cables transfer 99% of transoceanic data, operating at the speed of light and on a global scale. They are the physical structures which enable international connectivity in

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