

Ireland's Long Optical Cable



Article Overview

Ireland is a critical hub for submarine fiber-optic cables, hosting both regional and transatlantic connections that carry a significant portion of global internet traffic.

Key Submarine Cables

Fastnet Cable: The Fastnet system is a state-of-the-art transatlantic fiber-optic cable connecting Maryland, U.S., to County Cork, Ireland. Designed with 16 fiber pairs and a capacity exceeding 320 Tbps, it is the first private subsea cable built by Amazon Web Services (AWS). Fastnet provides strategic route diversity and is expected to be operational by 2028, marking Ireland as a key gateway for European cloud regions .

Pan European Crossing (UK-Ireland): This regional cable spans 495 km, linking Ireland and the United Kingdom. Operational since 2000 and owned by Colt, it provides a direct fiber-optic path between the two countries, enhancing network redundancy and supporting business, financial, and international communications .

Sirius North and South: These cables, laid in 1998, form part of the backbone connecting Ireland and Britain. They are critical for internet and telecommunications traffic, highlighting the vulnerability of undersea infrastructure to accidental damage, as demonstrated by a 2015 incident involving a fishing vessel .

Strategic Importance

Ireland's waters are traversed by nearly 75% of all transatlantic internet cables, making the country a major hub for global communications. Approximately 97% of the world's communications and internet traffic relies on undersea fiber-optic networks, with Ireland serving as a gateway for traffic between North America and...

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From dark fibre to subsea cables: The tech behind

These long cables lie on the ocean floor and send data as pulses of light inside thin strands

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Landmark subsea cable connecting Ireland and Iceland

A subsea cable linking Iceland and the rest of Northern Europe through Ireland has finally

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How many undersea cables pass through Irish waters?

There have been calls for Ireland to increase its defence spending to ensure the protection of undersea cables.

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Transatlantic communications cable

All cables presently in service use fiber optic technology. Many cables terminate in Newfoundland and Ireland, which lie on the great

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Transatlantic fibre optic cable to boost internet speeds in the west of ...

A €270 million transatlantic cable hauled ashore on the west coast today will massively boost internet speeds and

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The Strategic Future of Subsea Cables: Ireland Case Study

The following country case study provides an overview of Ireland's subsea cable infrastructure, highlighting key risks

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DPA Magazine | Longest-ever underwater fibre-optic cable connects

Longest-ever underwater fibre-optic cable connects UK and Ireland via quantum communications For the first time ever, a quantum

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Fiber Optic Cable Range: Comprehensive Guide

Fiber optic cable range varies depending on whether you're using single or multimode fiber. Learn the potential for

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A giant cable exposes Ireland's AI ambitions and security risks

A new Amazon transatlantic fiber-optic link is symbolic of the country's tech economy, but also of its chronic lack of defense spending.

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New subsea fibre-optic cable to connect Ireland and Nordics

A new subsea cable system called Havhingsten will connect Ireland with the Nordics region and the UK, boosting

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Fibre-optic cable linking Britain to Ireland goes live

A €12.5 million fibre optic gateway running below the Irish Sea has gone live, offering the shortest available data

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Map: The World's Network of Submarine Cables

Submarine cables are decidedly uncool. But while they lack the flashiness of satellites, it's actually the world's vast

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Why are subsea cables off Ireland causing continental

Subsea cables, or submarine cables, are long wires laid on the ocean floor to transmit data

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Amazon files for Ireland-to-US subsea cable

Amazon is planning to deploy a subsea cable linking Ireland to the US. Amazon MCS Ireland Ltd. has filed for a

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Fibre-optic Link Around the Globe

Fibre-optic Link Around the Globe (FLAG) is a 28,000-kilometre-long (17,398 mi; 15,119 nmi) fibre optic mostly- submarine

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Fiber-optic cable

Fiber-optic cable A TOSLINK optical fiber cable with a clear jacket. These cables are used mainly for digital audio connections

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AWS rolls out Fastnet subsea cable connecting U.S.

Amazon Web Services (AWS) today announced Fastnet, a new state-of-the-art transatlantic

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A Giant Cable Exposes Ireland's AI Ambitions and Security Risks

Geography has long played more in Ireland's favor, though. In 1858, the world's first transatlantic cable was laid

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How subsea cables are making Ireland attractive for

These long cables lie on the ocean floor and send data as pulses of light inside thin strands

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Fibre broadband in Ireland | FTTH explained & best speeds

Broadband Fibre broadband explained Fibre-optic broadband offers much faster connection speeds than ADSL,

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Transatlantic communications cable

On July 13, 1866 the cable laying ship Great Eastern sailed out of Valentia Island, Ireland and on July 27 landed at Heart's Content in

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PISCES Subsea Cable System | Ireland-France-Portugal

A 3,000km subsea fibre optic cable system delivering secure, sovereign connectivity between Ireland and

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Time to switch off Irish copper network and plug into full

Ireland is now a leader in Europe in the roll-out of full fibre networks. Yet the majority, almost

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Submarine fibre-optic cable boosts Ireland's global connectivity

The global telecommunications industry is struggling to keep pace with an ever-increasing demand for bandwidth.

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Top Fiber Optic Cable Manufacturers in Ireland

When exploring the Fiber Optic Cable industry in Ireland, several key considerations come into play. The regulatory environment is

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The Strategic Future of Subsea Cables

The following country case study provides an overview of Ireland's subsea cable infrastructure, highlighting key risks and presenting

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Fiber Optic Cable | Farnell® Ireland

Fiber optic cable is a type of cable that uses light to transmit data. It consists of thin strands of glass or plastic fibres enclosed in an

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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.

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Amazon's First Trans-Atlantic Cable: USA/Ireland

Amazon Ireland has applied for a maritime usage license to land a planned subsea fibre

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Submarine Cable Map

TeleGeography's comprehensive and regularly updated interactive map of the world's major submarine cable systems

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PISCES: a subsea cable system connecting Ireland, Portugal, Spain

PISCES is a new open-access subsea cable linking Ireland, Portugal, Spain and France, reinforcing Europe's digital

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From Iceland to Galway: The creation of Ireland's next subsea cable

These long cables, which have become a vital network for data travelling around the globe, lie on the ocean floor and

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Aurora Telecom | Aurora Telecom

At Aurora Telecom we build and operate Ireland's most advanced fibre network, enabling resilient, high

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Amazon launches "Fastnet" underwater cable connecting Cork and the

Amazon have launched a new transatlantic underwater fibre optic cable connecting Cork with Maryland on the US east

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Open Eir has deployed enough fibre cables to

Open Eir has laid enough fibre cables to circle the globe and give high-speed connectivity to

Contact Us

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