

# Wavelengths

## High Capacity for Optimal Performance



Over the last decade, global demand for bandwidth has grown at a rate of over 50% per annum. With advances in technology driving flexibility and affordability, wavelength services are now established as the foundation of networks that drive big data, ultra-high-definition video, Internet of Things applications and the expanding universe of cloud-based applications.

GTT's Wavelength services deliver secure, high-speed connectivity and guaranteed bandwidth between data centers, large office locations and service provider networks around the world, allowing organizations to easily scale network capacity to meet their increasing bandwidth needs.

## Transport for the Most Demanding Requirements

Our Wavelength clients require dedicated high-capacity circuits, which typically form the core building blocks of their own networks. GTT offers guaranteed capacity and predictable latency on geographically traceable routes, and our vast network footprint is backed by a stringent service level agreement. This SLA ensures a level of predictability that makes GTT's Wavelength service ideal for global hyperscale companies, carriers and media organizations alike.

Further, the world's leading financial institutions leverage the low latency, reliability and scalability of GTT's Wavelengths to manage big data from their subscriber bases, accelerate transmission of financial data and meet stringent regulatory requirements.

## Service Offerings

GTT delivers Wavelengths across its wholly owned and operated DWDM terrestrial and subsea fiber infrastructure. Our optical network spans more than 350 PoPs across North America and Europe, offers five diverse routes from the UK to Europe, and includes three transatlantic subsea cables: GTT North, GTT South and GTT Express.

**Diverse Capabilities and Service Options:** GTT's Wavelengths are offered at speeds of 10G and 100G. Both service options are available with OTN, SDH/SONET or Ethernet interfaces. We also support native wavelength (virtual fiber and spectrum services), as well as other common data center protocols.

**Protected Wavelengths:** Protected Wavelengths are available across GTT's entire optical footprint, providing automatic failover to an alternative path in the event of a fiber cut or equipment failure. We offer a variety of protection options to comply with the most stringent availability requirements utilizing diverse paths across the GTT network.

## Service Offerings (cont'd)

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**Fastest Path Across the Atlantic:** GTT Express is a 4,600km transatlantic cable that is composed of six fiber pairs with 53 Tbps of capacity. The cable system connects North America and Europe through landing points in Halifax, Nova Scotia; Brean, England; and Cork, Ireland. GTT Express provides the lowest latency connectivity and route diversity between major financial, media and commercial centers in North America and Europe. Latency performance is under 59 ms on the New York-to-London route.

## The GTT Difference

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- Extensive European and transatlantic wavelength footprint with over 70,000km of network coverage
- Substantial metropolitan fiber assets in several key European cities, which serve to augment the wavelength footprint and provide potential hand-off into thousands of buildings
- GTT's Wavelength products are underpinned by a massive, fully owned fiber network, which ensures that fault ownership and control remains within GTT
- Our transatlantic system has:
  - Three landings on Ireland
  - Five diverse paths from the UK to Europe
  - Connectivity into Europe avoiding London
  - Unmatched latency performance connecting major financial centers

## Who Is GTT?

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GTT connects people across organizations, around the world and to every application in the cloud. Our clients benefit from an outstanding service experience built on our core values of simplicity, speed and agility. GTT owns and operates a global Tier 1 internet network and provides a comprehensive suite of cloud networking services.

### Key Features

- Custom solutions designed for capacity, diversity, latency performance or routing preferences
- 10G and 100G service options
- Protected options on transatlantic routes with 50 ms failover
- Network composed of over 350 owned and operated optical PoPs in Europe and North America
  - End-to-end, always connected, fixed optical path
  - Latest-generation optical (DWDM) platform
- Three transatlantic cables, including the lowest-latency route available today
- Guaranteed latency SLA
- Route diversity, with the ability to circumvent specific metros, as required



## Contact Us

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For more information, contact the GTT Channel Team at:  
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