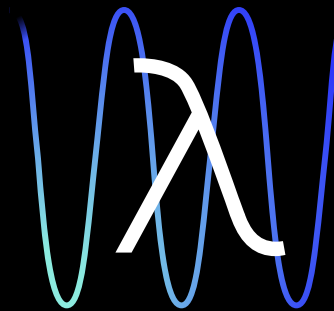


Wavelengths λ DWDM



Deliver today and scale for tomorrow

Our global Wavelength services provide dedicated, high-capacity transport designed to handle heavy-duty traffic across long-distances

Carrying heavy data-loads

When your network is under more pressure to carry heavier data loads across long-distances, DWDM is the perfect technology. Multiple Wavelengths of light (or colors) are used to send data over the same optical fiber to maximize infrastructure utilization.

Point-to-point dedicated connections

Our Wavelength services enable next-generation technologies and support diverse applications such as IoT, AI, ML, video, voice, and storage across your global sites, with access to more capacity when needed. The simplicity of Wavelengths makes your network more versatile and efficient when deploying point-to-point dedicated connections between your sites and data centers.

400GE Wavelengths and beyond

Today 95% of our European and 80% of our US long-haul networks support high-capacity 400GE. Historically, Arelion was the first to commercially offer Wavelengths in 1998 and also the first to sell 100GE Wavelengths on both sides of the Atlantic.

Securing resilience and availability of your network largely depends on the criticality of your data. You can choose single links or a redundant ring network topology to build your network and connect key sites. The highest level of availability comes with the dual link service option which provides two fully diverse routes between the same endpoints.

Benefits in brief

High-capacity

400GE

Leverage our investments in optical fiber to significantly reduce your cost of building a high-capacity network

Versatile

Supports diverse application traffic using multiple colors of light on the same fiber

Monitoring

24/7

The network is monitored 24/7 by Arelion's NOC

Future-proof

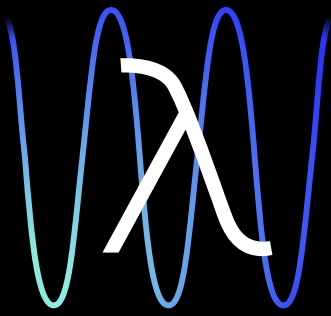
Top 5

Direct on-ramps to the top 5 cloud providers

Did you know?

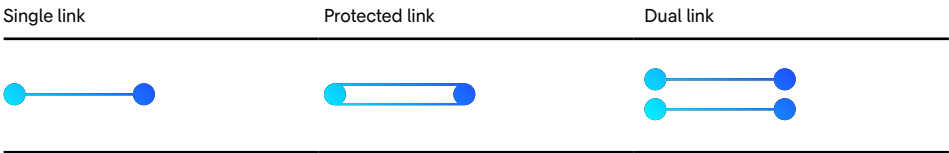
In 2017, Arelion worked with Facebook to successfully trial their DWDM transponder on our fiber route between Stockholm and Hamburg

Wavelengths DWDM



Technical highlights

Service Options



Interface and characteristics

Interface	Capacity
Ethernet	1 GE, 10 GE, 100 GE, 400 GE
SDH	STM 16/OC 48, STM 64/OC 192
ODU	OTU 2, OTU 2e, OTU 4

Arelion’s network is engineered to provide diversity at the physical level – duct, cable, and fiber. State-of-the-art network architecture combined with strict design guidelines provides fully diverse, end-to-end routing between all Arelion’s PoPs.

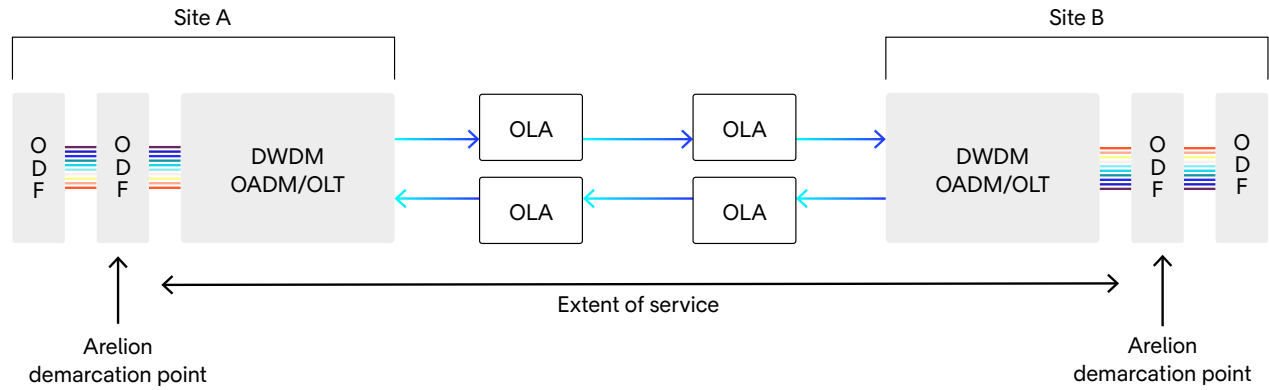
Use cases

Data center interconnection
Data centers use high-quality Wavelength optical solutions for transport between data centers supporting multiple large bandwidth services

Hyperscale connectivity
Big data organizations use Wavelengths for efficient, large-scale deployments to transport data between key sites

Long-haul networking
DWDM continues to be the technology of choice for wholesale service providers building long-haul optical networks to serve their markets

Large Enterprises
Geographically diverse, multi-site data centers requiring high-bandwidth and availability



Wavelengths network components