

Lumen® Dark Fiber

Tailored Connectivity for Your Unique Needs

Lumen Dark Fiber solutions provide exceptional control and scalability for businesses in need of highly reliable, low-latency infrastructure. By utilizing Lumen's expansive fiber optic network, customers can precisely manage their bandwidth requirements, to help ensure optimal performance and security. Our dark fiber solution can also be integrated with our Managed Optical Fiber Network (MOFN) product for comprehensive bandwidth management, scalability, and control, all supported by one of the largest IP backbones in North America.

Adaptive Infrastructure: Meeting your Evolving Business Demands

Dark Fiber offers customers a flexible, high-performance, dedicated network designed to meet unique needs. With complete control over bandwidth capacity and efficient data delivery paths, Dark Fiber supports a wide range of applications, from AI and machine learning to high-frequency trading and critical data operations.

Integrated Connectivity: Achieving Seamless Interconnection

Dark Fiber makes connections seamless, whether connecting data centers, partners, or various environments across multiple locations. By providing dedicated, low-loss optical fiber, Dark Fiber enables robust and secure connectivity allowing businesses to manage their network infrastructure independently.

Your Network, Your Rules: Flexibility and Support on Demand

Choose Dark Fiber for secure, controlled network infrastructure that adapts to business needs, backed by round-the-clock expert support. Dark Fiber provides control over bandwidth capacity and network management.

Common use cases

- Multi-site and hybrid cloud connectivity
- High reliability & low latency
- Advanced Fiber technology



"Lumen is the network that delivers AI. The rise of AI is driving technology companies to quickly secure fiber and bandwidth before their competition"

– **Kate Johnson**

President and CEO, Lumen Technologies

Features and Specs

Expansive Network

- Lumen's extensive U.S. Metro and Intercity fiber routes, with plans to expand, provide broad reach and diversity with dual gateways and building entrances.

Advanced Fiber Technology

- Utilizing low-loss, next-gen fiber on core routes and a multi-conduit infrastructure, Lumen offers a fast, cost-effective way to upgrade your network.

Reliable Operations & Maintenance

- Lumen's dedicated NOC for managed fiber customers offers high reliability and uptime.

Complete Control and Simplified Management

- Customers control scalability, capacity, and network management, while Lumen provides a single managed network provider.

Custom Network Designs

- Leveraging Lumen's expert planners who can provide detailed, street-level dark fiber designs that specify the routing and optical characteristics to the most demanding requirements. Take advantage of our extensive network reach and options for path diversity.

Managed Optical Fiber Network (MOFN)

- Managed fiber is a service add-on that provides you with a customized turnkey network solution for network ownership and control. We pair dedicated fibers and the network equipment of your choice with professional design consultation, implementation, and ongoing management and monitoring of network capacity assets.

Support With Professional Services

- With experts in all aspects of optical network construction, design and management are at your disposal through professional services.



Figure 1

Highlights North America fiber currently available. Lumen Continues to invest in our low-loss network to meet growing demand.

Why Lumen?

Lumen Dark Fiber solutions offer complete control and scalability for businesses seeking highly reliable, low-latency infrastructure. By leveraging Lumen's extensive fiber optic network, customers can manage their bandwidth needs with precision, to help ensure optimal performance and security.

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