

WHAT IS DARK FIBER?

Dark Fiber is the physical fiber strand that is not in use or lit. Customers leasing dark fiber take full ownership of the network's, deployment, maintenance and operation.



\$5,600 per min¹

Downtimes cost organizations \$5,600 per minute. Work with a managed network service provider to lease services, such as dark fiber, to increase infrastructure security and reliability.

¹ <https://blogs.gartner.com/andrew-lerner/2014/07/16/the-cost-of-downtime/>

Advantages Of Dark Fiber

Businesses requiring high bandwidth fiber optic connectivity are in a good position to reap the benefits of dark fiber:

- + **SCALABLE:** Customer chooses the network equipment, service and bandwidth.
- + **SECURE:** Infrastructure companies like SCE solely own, operate and maintain dark fiber. Customer has direct operational control of their network.
- + **CUSTOMIZABLE:** Dark fiber routes are customized to the customer's network physical paths.

Disadvantages Of Dark Fiber

Dark fiber may not be suitable for some organizations that lack the resources or internal support to set up, operate and maintain a network.

- Dark fiber cost is dependent on distance.
- Customers require a dedicated IT team and are fully responsible to install, provision, operate, repair and maintain the network and its equipment.

Industry Use

Dark fiber is a great fit for organizations in industries requiring network options with heightened security or high bandwidth.

EDUCATION: Reduced eLearning downtimes for students and faculty members.

GOVERNMENT: Privacy is paramount when handling sensitive communications. Government entities use dark fiber because it provides them full control of their network.

ENTERPRISES: Dark fiber provides companies the flexibility to scale their bandwidth to match their business needs.

Interested in learning more about dark fiber or to learn how your company can adopt dark fiber? **Contact SCE Carrier Solutions and speak with an expert today!**