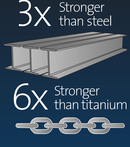
The Evolution of Optical Fiber

Fiber Today

Today, fiber goes faster and farther than anyone ever dreamed possible. Thanks to Corning innovations, optical fiber is pushing bandwidth limits and creating a more connected world.

Over 2 billion km have been deployed, enough to travel to the sun 14 times.

A 2 mm-diameter optical fiber would be strong enough to support the weight of a car.



Optical fiber is 3x stronger than high-tensile steel and 6x stronger than titanium.

A single optical fiber link can carry 10Tb per second.

That's 10,000x faster than a CAT5 Ethernet connection,

and enough to support 2 million simultaneous HD video streams.

Optical fiber is 40,000 times clearer than diamond.

Simply put, today's high-speed connections for Internet, voice, and video would not be possible without Corning innovations in optical fiber.

Fiber Through the Years

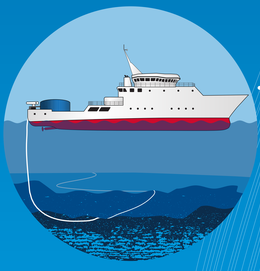
For more than four decades, Corning optical fiber innovations have revolutionized the way the world communicates and connects.

1970

Three Corning scientists achieve a breakthrough by creating the first low-loss optical fiber for telecommunications.

1983

Corning single-mode fiber is used for the first long-haul network, connecting New York to Washington, D.C.

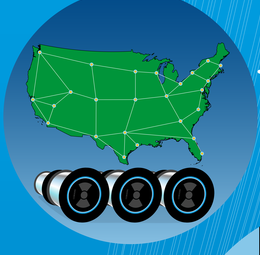


1989

Corning takes connections underwater, delivering low-loss performance for submarine networks.

1994

Corning receives the National Medal of Technology for life-changing and life-enhancing inventions.



1998

Long-haul Corning® LEAF® optical fiber helps networks connect farther and faster.

2007

Ultra-bendable Corning® ClearCurve® optical fiber fundamentally changes the way fiber is deployed, helping bring fiber into the home.

2013

Corning® ClearCurve® VSDN® optical fiber brings high-speed connections to consumer electronics.

CORNING