

Corning® LEAF® Optical Fiber

Optical
Fiber



CORNING
Discovering Beyond Imagination

Backbone by LEAF® Fiber

A Powerful Network Needs: Backbone By LEAF® Fiber

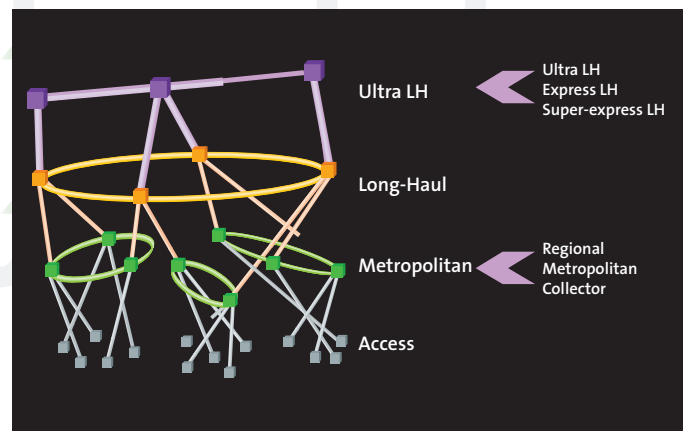
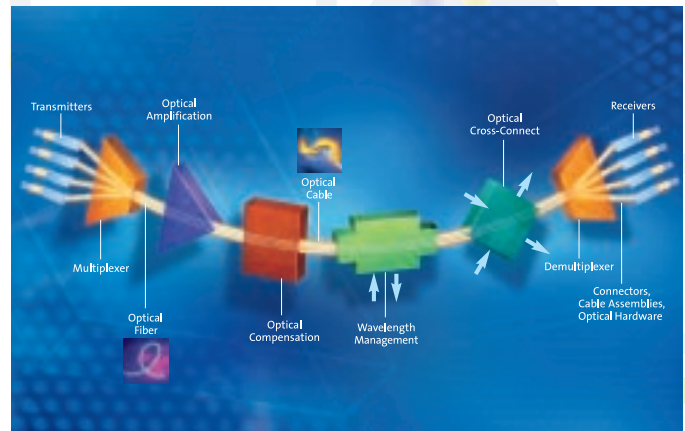
The need for technically advanced, powerful telecommunication networks continues to grow worldwide. To satisfy the global demand for bandwidth, networks require an optical fiber solution that can deliver both unprecedented performance and economic value. Corning Incorporated, the world's leading optical layer company, is committed to supplying optical fibers that meet industry needs for communications systems that can offer high performance for customers and countable profits for network providers.

Corning's dedication to optical fiber, photonics and optical networking devices has been growing everyday for over 30 years – our history in optical fiber is only one example of how Corning is committed to leadership in the optical communications arena.

Optical fiber is the foundation of a network and Corning recognizes that choosing the right optical fiber is an important decision, with many options and variables to consider. Corning's engineers and scientists are available and committed to assisting our customers by providing information that will help select the right fiber. Whether your network requires a fiber designed for performance in submarine, long-haul, metropolitan, access or premises applications, Corning provides the most advanced optical fiber on the planet.

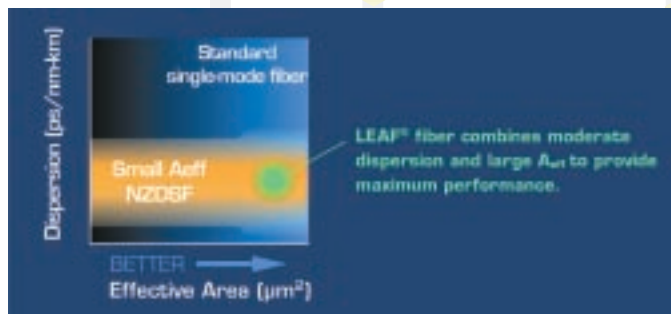
Today's bandwidth-hungry environment continues to exude pressure for increasingly powerful long-haul networks. Since 1998, the world's most powerful networks have been relying on Corning® LEAF® optical fiber as the backbone for long-haul networks. Repeatedly, carriers trust LEAF fiber to transmit information at high-bit-rates and for further distances with unmatched performance levels – this success has made LEAF fiber a household name in the telecommunications

community. In fact, LEAF fiber enables advanced telecommunications networks on six of the world's seven continents, and the amount deployed could stretch to the moon and back dozens of times.



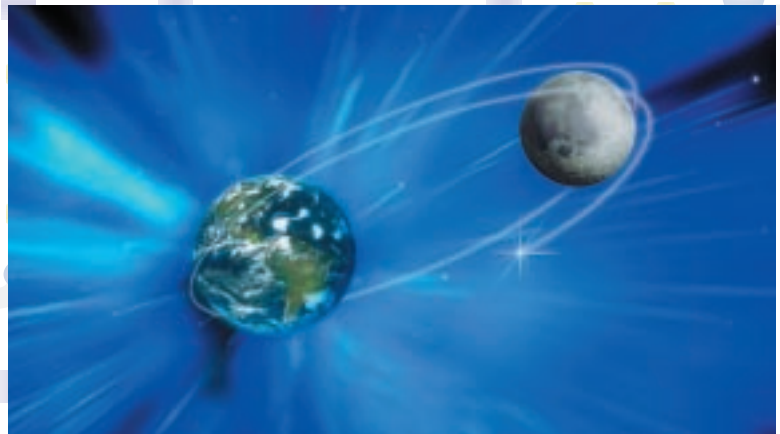
A backbone by LEAF fiber provides network capacity and flexibility enabling future growth and compatibility with emerging technologies. LEAF fiber, an ITU G.655 compliant, single-mode, non-zero dispersion-shifted fiber (NZ-DSF) with large effective area, is designed for high-speed networks greater than 300 kilometers. It provides significant performance benefits such as higher power-handling capability, higher signal-to-noise ratio, longer amplifier spacing, and maximum dense wavelength division multiplexing (DWDM) channel plan flexibility. LEAF fiber also has industry leading polarization mode dispersion (PMD) specifications, enabling immediate upgradability to 40 Gb/s whenever your network is ready.

Corning's commitment to quality and top-notch specifications guarantee best-in-class geometry, proven coating technology and excellent splicing performance for quick and easy outside plant installation. LEAF fiber enjoys the same geometry and environmental specification package that has made Corning SMF-28™ fiber the most widely deployed fiber in the world.



LEAF fiber, designed with emerging technologies in mind, offers excellent distributed Raman amplification performance and compatibility with a wide variety of modulation formats. Additionally, Corning® PureForm™ DCM® Modules for LEAF fiber provide broadband chromatic dispersion compensation, pushing 40 Gb/s and ultra-long-haul networks to the limit.

Since its introduction in 1998, LEAF fiber has earned worldwide leadership by enabling low cost, high bit rate long-haul backbone networks. Whether you are building a new network, installing links for meshing, or extending an existing network, installing LEAF fiber will save money and enable your network for next-generation technologies. Visit our website at www.corning.com/opticalfiber or contact your local Corning Optical Fiber representative for further details. Your Corning team is standing by to provide support in all of your optical fiber decisions.



The amount of LEAF fiber deployed worldwide could stretch to the moon and back dozens of times.

For more information on Corning® LEAF® fiber, contact the Corning Optical Fiber Information Center at 800-525-2524, ext. 7600 or via email at cofic@corning.com

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