



Corning® ClearCurve® Single-Mode Optical Fiber Exceeds the New ITU-T Recommendation G.657.B.3 Standard

Corning, NY, October 28, 2009 – Today Corning Incorporated (NYSE: GLW) announced its ClearCurve® bend-insensitive, single-mode optical fiber is fully compliant and exceeds the new ITU-T G.657.B.3 recommendation and the existing ITU-T G.652.D recommendation. Corning ClearCurve single-mode fiber is the world's first optical fiber specified for macrobend at a 5-millimeter radius that is fully compatible with existing telecommunications networks.

On Oct. 9, the ITU-T Study Group 15 on optical transport networks and optical access networks approved adding the 5-millimeter radius macrobend specifications into the existing ITU-T G.657 recommendation, the industry standard that outlines the macrobend performance for optical fiber. Reflective of recent industry trends, the revised recommendation now accounts for three distinct levels of macrobend performance: 5-, 7.5-, and 10-millimeter radii. Now, end users can easily specify different levels of bend performance based on their application needs.

Macrobend Performance (Tightest Radii Specified)

	10 mm	7.5 mm	5 mm
G.652 compliant	G.657.A.1	G.657.A.2	
G.652 not required		G.657.B.2	G.657.B.3

"We value the collaborative work of industry standards organizations and believe adding 5-millimeter better defines the realities of access networks and the needs of our customers," said [Martin J. Curran](#), senior vice president and general manager, Corning Optical Fiber. "With Corning ClearCurve single-mode fiber, our customers can maintain the benefits of single-mode optical fiber while decreasing deployment time, maximizing system reliability, minimizing downtime, and realizing overall space savings and reduced cost."

In addition to ClearCurve single-mode fiber, Corning has a full portfolio of single-mode fiber that exceeds each of the newly defined ITU-T G.657.A.1, G.657.A.2, G.657.B.2, and G.657.B.3 recommendations. Corning's full portfolio of bend-improved fibers allow designers, installers, and operators of telecommunications access networks and equipment to deploy optical fiber cables in more places by delivering all of the bandwidth benefits of optical fiber in a package that is as easy to handle and install as copper communication cables.

In 2007, Corning introduced its award-winning [ClearCurve single-mode fiber](#) which solved the technical and physical challenges faced by telecommunications carriers installing FTTH networks, particularly in multi-dwelling units. Bend improved fibers, including ClearCurve single-mode and multimode fibers, are the latest optical fiber innovations from Corning. Corning invented the first low-loss optical fiber nearly 40 years ago and, since then, Corning has revolutionized telecommunications by developing fiber innovations such as the first dispersion-shifted fibers, large effective area fibers, and ultra-low-loss fiber for long-haul and high-data rate transmission; the first laser-optimized multimode fibers for enterprise networks; and the first G.652.D compatible SBS-enhanced fibers and bend-insensitive single-mode fibers for access and broadband applications.

Visit www.corning.com/clearcurve for more information about the Corning ClearCurve optical fiber family.

About Corning Incorporated

Corning Incorporated (www.corning.com) is the world leader in specialty glass and ceramics. Drawing on more than 150 years of materials science and process engineering knowledge, Corning creates and makes keystone components that enable high-technology systems for consumer electronics, mobile emissions control, telecommunications and life sciences. Our products include glass substrates for LCD televisions, computer monitors and laptops;

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ceramic substrates and filters for mobile emission control systems; optical fiber, cable, hardware & equipment for telecommunications networks; optical biosensors for drug discovery; and other advanced optics and specialty glass solutions for a number of industries including semiconductor, aerospace, defense, astronomy and metrology.

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