Optical Fiber Product Portfolio

ClearCurve® Multimode Optical Fiber

ClearCurve bend-insensitive laser-optimized multimode fiber delivers superior macrobending performance and meets the high-bandwidth requirements for today's communications networks; it is designed to withstand tight bends with substantially less signal loss in challenging cabling routes. ClearCurve multimode fibers are fully standards compliant and backward compatible with the installed base.

SMF-28® Ultra Optical Fiber

SMF-28 Ultra fiber is fully compliant to ITU-T G.652.D as well as ITU-T G.657.A1. This full-spectrum fiber has industry-leading attenuation and improved macrobend performance and is designed for use in long-haul, metro, access, and FTTH networks. SMF-28 Ultra fiber maintains full backward compatibility with traditional standard single-mode fibers, which means no trade-offs and splice performance that is the same as the installed base of Corning SMF-28e® and SMF-28e+ fibers.

ClearCurve® Single-Mode Optical Fiber

Corning established the bend-insensitive single-mode fiber category with the introduction of ClearCurve fiber in 2007. We have continued that innovation with ClearCurve ZBL fiber, which offers virtually zero bend loss in most indoor applications.

SMF-28® Ultra 200 Optical Fiber

SMF-28 Ultra 200 fiber is our newest single-mode fiber, featuring a reduced coating diameter of 200 µm that provides 100 percent ITU-T G.652.D backward compatibility and optical bending resilience that surpasses the requirements of the ITU-T G.657.A1 industry standard. It's the only 200 µm fiber that combines bend, loss, and compatibility in one convenient package.

SMF-28e+® Optical Fiber

SMF-28e+ fiber is the industry leader in comprehensive single-mode fiber performance for metro and access networks including FTTH and CATV. This standard single-mode fiber is ITU-T G.652.D compliant and fully compatible with legacy single-mode fibers. SMF-28e+ fiber is built on our solid foundation of quality and proven performance.

SMF-28® ULL Optical Fiber

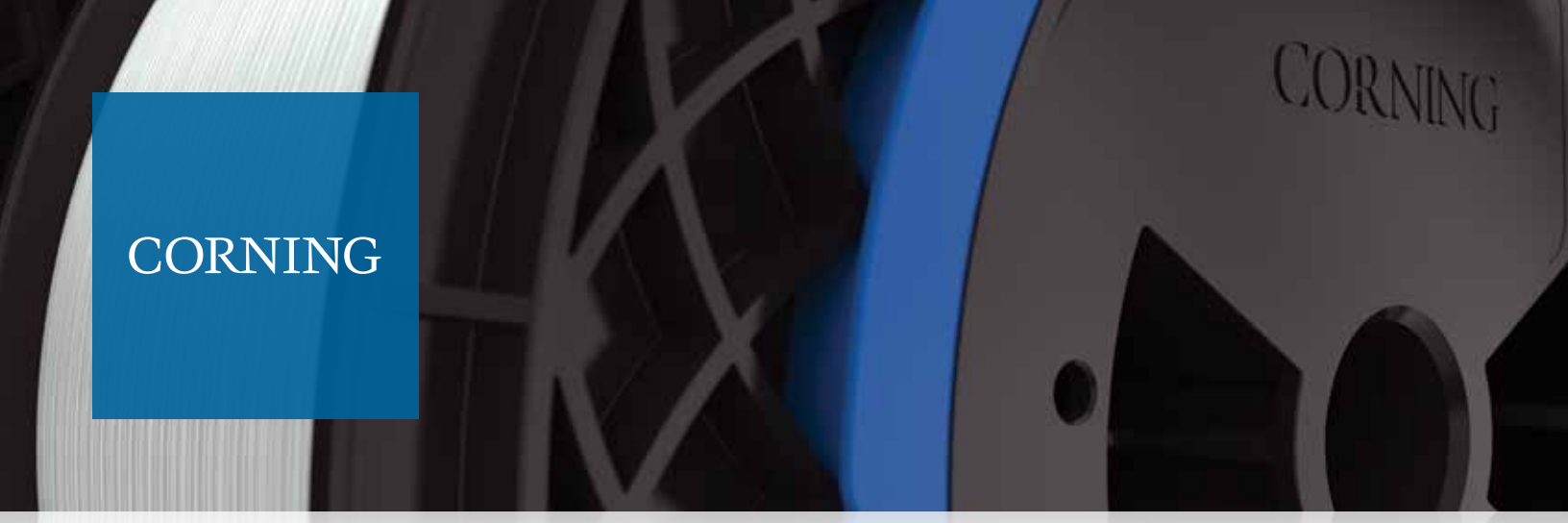
SMF-28 ULL fiber has the lowest loss of any terrestrial-grade fiber, with a maximum attenuation of 0.17 dB/km at 1550 nm as well as low PMD. These attributes allow SMF-28 ULL fiber to achieve longer unrepeatered span distances than are possible with other fibers. SMF-28 ULL fiber is fully compatible with legacy ITU G.652 single-mode fibers.

SMF-28e+® LL Optical Fiber

SMF-28e+ LL fiber is an ITU-T G.652.D-compliant optical fiber which builds on our low-loss fiber technology to enable extended networking distances for long haul, metro, and access applications. SMF-28e+ LL optical fiber offers industry-leading specifications for attenuation and polarization mode dispersion values which provide a solid foundation for new network deployments as well as upgrades to existing networks.

LEAF® Optical Fiber

LEAF fiber is the world's most widely deployed non-zero dispersion-shifted fiber. Across six continents, we have sold more than 30 million km of this advanced, high-performance fiber. LEAF fiber's combination of large effective area, low dispersion, and low loss enables improved performance, flexibility, and compatibility with emerging network technologies.



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Optical Fiber and Relevant Standards

Single-Mode Optical Fiber Type ITU-T G.652		
Product Name	Standard(s)	Description
SMF-28e+® fiber	ITU-T G.652.D	Full-spectrum single-mode fiber
SMF-28e+® LL fiber	ITU-T G.652.C/D	Full-spectrum single-mode fiber with low-loss technology
SMF-28® Ultra fiber SMF-28® Ultra 200 fiber	ITU-T G.652.D and ITU-T G.657.A1	Full-spectrum single-mode fiber with bend improvement and low-loss technology
SMF-28® ULL fiber	Type ITU-T G.652.B	Single-mode fiber with ultra-low-loss technology

Non-Zero Dispersion-Shifted (NZDS) Optical Fiber Type ITU-T G.655		
Product Name	Standard(s)	Description
LEAF® fiber	ITU-T G.655.D	Large effective area low dispersion NZDS fiber

Bend-Improved Single-Mode Optical Fiber Type ITU-T G.657		
Product Name	Standard(s)	Description
ClearCurve® ZBL fiber	ITU-T G.657.B3	Full-spectrum bend-insensitive single-mode fiber with virtualy zero bend loss in most indoor applications
ClearCurve® LBL fiber	ITU-T G.657.A2/B2	Full-spectrum bend-insensitive single-mode fiber with low bend loss
SMF-28® Ultra fiber SMF-28® Ultra 200 fiber	ITU-T G.657.A1 and ITU-T G.652.D	Full-spectrum single-mode fiber with bend improvement and low-loss technology

Graded-Index 50/125 µm Multimode Optical Fiber per IEC 60793-2-10		
Product Name	Standard(s)	Description
ClearCurve® OM2 fiber	IEC 60793-2-10 A1a.1	Bend-insensitive laser-optimized multimode fiber for use in enterprise networks
ClearCurve® OM3 fiber	IEC 60793-2-10 A1a.2	Bend-insensitive laser-optimized multimode fiber for high speeds including 10, 40, and 100 Gb/s
ClearCurve® OM4 fiber	IEC 60793-2-10 A1a.3	Bend-insensitive laser-optimized multimode fiber for extended reach at high speeds
ClearCurve® OM5 wide band fiber	IEC 60793-2-10 A1a.4	Bend-insensitive laser-optimized multimode fiber for multi-wavelength transmission in the vicinity of 850 nm to 950 nm

Graded-Index 62.5/125 µm Multimode Optical Fiber per IEC 60793-2-10		
Product Name	Standard(s)	Description
InfiniCor® 300 fiber	IEC 60793-2-10 A1b OM1	Legacy multimode fiber for lower-speed LAN applications (up to 1 Gb/s)