



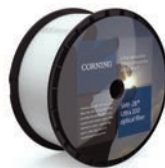
CORNING

# Optical Fiber Product Portfolio



## ClearCurve® Multimode Optical Fiber

ClearCurve ultra-bendable, 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 fiber is fully standards compliant and backward compatible with the installed base.



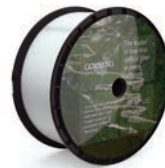
## SMF-28 Ultra 200 Optical Fiber

SMF-28 Ultra 200 fiber is our newest single-mode fiber, featuring a reduced-coating diameter of 200  $\mu\text{m}$  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. This 200  $\mu\text{m}$  fiber combines bend, loss, and compatibility in one convenient package.



## 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.



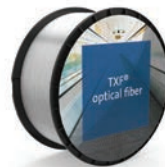
## SMF-28 ULL Optical Fiber

SMF-28 ULL fiber has the lowest loss of any terrestrial-grade fiber, with a typical attenuation of 0.16 dB/km at 1550 nm, as well as low PMD. These attributes allow SMF-28 ULL fiber to achieve longer unrepeated span distances. SMF-28 ULL fiber is fully compatible with legacy ITU G.652 single-mode fibers and is now available in a smaller 200  $\mu\text{m}$  nominal coating diameter to address emerging space constraints in long-haul networks.



## SMF-28e+® Optical Fiber

SMF-28e+ fiber is a comprehensive single-mode fiber 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.



## TXF® Optical Fiber

TXF fiber combines both ultra-low-loss and a large effective area to allow reliable, high-data-rate transmission over longer spans – enabling the longest reach of any terrestrial-grade fiber. As a result, long-haul networks with TXF fiber can be designed more efficiently and cost effectively, reducing the need for amplification sites and signal regeneration, which is particularly important in remote territories and challenging terrains.



## SMF-28e+ LL Optical Fiber

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



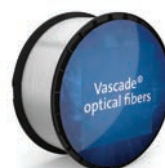
## LEAF® Optical Fiber

LEAF fiber is the world's most widely deployed non-zero dispersion-shifted fiber. LEAF fiber's combination of large effective area, low dispersion, and low loss enables improved performance, flexibility, and compatibility with emerging network technologies.



## 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+ fiber.



## Vascade® Optical Fibers

Vascade fibers are intended for use in high-data-rate submarine cable systems. They provide the performance and reliability required in undersea networks, enabling high-speed and high-capacity submarine solutions. Vascade EX3000 fiber and Vascade EX2000 fiber both have ultra-low-loss and large effective area. Vascade EX2000 fiber is also available in a smaller 200  $\mu\text{m}$  nominal coating diameter.

## 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	ITU-T G.652.B and ITU-T G.654.C	Single-mode fiber with ultra-low-loss technology Also available in a smaller 200 µm nominal coating diameter

Cutoff Shifted Single-Mode Optical Fiber Type ITU-T G.654		
Product Name	Standard(s)	Description
SMF-28 ULL fiber	ITU-T G.654.C and ITU-T G.652.B	Single-mode fiber with ultra-low-loss technology
TXF® Optical fiber	ITU-T G.654.E	Ultra-low-loss and large effective area fiber for extended reach at ≥ 100 Gb/s
Vascade® EX2000 fiber	ITU-T G.654.B	Ultra-low-loss and large effective area fiber for high-data-rate submarine systems Also available in a smaller 200 µm nominal coating diameter
Vascade EX3000 fiber	ITU-T G.654.D	Ultra-low-loss and very large effective area fiber for high-data-rate submarine systems

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 virtually zero bend loss in most indoor applications
ClearCurve LBL fiber	ITU-T G.657.A2/B2	Full-spectrum, bend-improved 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 A1-OM2	Ultra-bendable, laser-optimized multimode fiber for use in enterprise networks
ClearCurve OM3 fiber	IEC 60793-2-10 A1-OM3	Ultra-bendable, laser-optimized multimode fiber for high speeds including 10, 40, and 100 Gb/s
ClearCurve OM4 fiber	IEC 60793-2-10 A1-OM4	Ultra-bendable, laser-optimized multimode fiber for extended reach at high speeds
ClearCurve OM5 wide band fiber	IEC 60793-2-10 A1-OM5	Ultra-bendable, laser-optimized multimode fiber for multiwavelength 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 A1-OM1	Legacy multimode fiber for lower-speed LAN applications (up to 1 Gb/s)

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