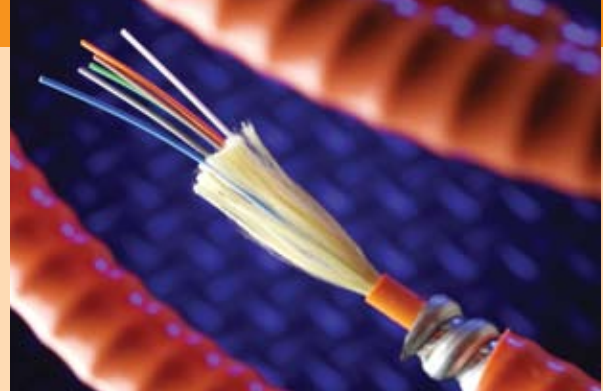


## Optical Fiber

General Cable, Corning® Optical Fiber. Names that are synonymous with cable and fiber combine to create the ultimate in fiber optics. General Cable partners with Corning® to deliver the world's most reliable and technologically advanced optical fiber cables.



### Singlemode

#### Standard

General Cable utilizes Corning® Fiber SMF-28e+™ as its standard singlemode offering. This is a full-spectrum fiber that is fully backward-compatible with legacy singlemode fiber. It enables twice the optical launch power of legacy singlemode fiber, improved macrobend specifications from 0.05 dB to 0.03 dB, and tighter zero dispersion wavelength ( $\lambda_0$ ) tolerance from a range of  $\pm 10$  nm to  $\pm 7$  nm. This fiber supports all broadband applications and complies with the most stringent industry standards, such as:

- ITU-T G.652 (Tables A, B, C and D)
- IEC 60793-2-50 Type B1.3
- TIA/EIA 492-CAAB
- Telecordia GR-20-CORE

#### Long-Haul

For long-haul applications, rely on General Cable's long history of cable experience and the technology of Corning® LEAF® fiber. This is the most widely deployed non-zero dispersion shifted (NZ-DSF) fiber in the world and the first low water peak NZ-DSF fiber. Its large effective area and industry-leading polarization mode dispersion (PMD) specifications enable 10 Gb/s and 40 Gb/s network systems of the future.

### Multimode

For enterprise networks, turn to General Cable utilizing Corning® InfiniCor® Fibers. These are the world's first laser-optimized™ fibers. These fibers allow higher data aggregation in premise applications compared with non laser-optimized fibers, full compatibility with legacy protocols and applications, superior measurement technology and manufacturing control, and industry-leading CPC® coatings for superior microbend and environmental performance. InfiniCor fiber performance is ensured by minEMBc, the industry's only standards-approved bandwidth measurement for OM3 fibers.

#### 62.5 micron

These fibers support data rates of 1 Gb/s in both the 850 nm and 1300 nm windows. They comply with the most stringent industry standards, such as:

- ISO/IEC 11801, type OM1 fiber
- IEC 60793-2-10, type A1b fiber
- TIA/EIA, 492AAAA-A

#### 50 micron

These fibers support data rates of 10 Gb/s at 850 nm. They also comply with the most stringent industry standards, such as:

- ISO/IEC 11801, type OM2 and OM3 fibers
- IEC 60793-2-10, type A1a.2 and A1a.1 fiber
- TIA/EIA, 492AAAA-A and 492AAAAAB

## Optical Fiber Code Cross-Reference

Fiber Type	General Cable	Corning® Optical Fiber	Description
Standard Loose Tube SM	AQ	SMF-28e+™	Full spectrum, low water peak single-mode
Performance Loose Tube SM	AT	SMF-28e+™	Full spectrum, high performance low water peak singlemode with 0.35/0.25 attenuation
Tight Buffer SM	AP	SMF-28e+™	Full spectrum, low water peak single-mode with 900µm PVC buffer
Long Haul SM	AL	LEAF®	Large $A_{eff}$ , low water peak, NZ-DSF singlemode
62.5 µm MM	CG	InfiniCor® 300	1 Gb/s over 300 m at 850 nm, OM1 1 Gb/s over 550 m at 1300 nm
62.5 µm MM	CL	InfiniCor® CL™ 1000	1 Gb/s over 500 m at 850 nm, OM1 1 Gb/s over 1000 m at 1300 nm
50 µm MM	BG	InfiniCor® 600	1 Gb/s over 600 m at 850 nm, OM2
50 µm MM	BI	InfiniCor® SXi	10 Gb/s over 150 m at 850 nm, OM2 1 Gb/s over 750 m at 850 nm
50 µm MM	BE	InfiniCor® SX+	10 Gb/s over 300 m at 850 nm, OM3 1 Gb/s over 1000 m at 850 nm
50 µm MM	BL	InfiniCor® eSX+	10 Gb/s over 550 m at 850 nm, OM3 1 Gb/s over 1100 m at 850 nm