

Corning® InfiniCor® SX+ and SXi Optical Fibers

Laser-Optimized Fiber™ for 10 Gb/s Performance at 850 nm

InfiniCor® SX+ and InfiniCor® SXi fibers are 50-micron multimode optical fibers optimized for high-performance, laser-based protocols and are fully compatible with a broad range of legacy applications. Harnessing superior technology and profile control, InfiniCor SX+ and SXi fibers offer exceptional bandwidth for high performance while allowing the use of low-cost, 850 nm vertical cavity surface emitting lasers (VCSELs).

InfiniCor SX+ Fiber - Designed for *Enterprise* Applications

InfiniCor SX+ fiber enables transmission distances of 300 meters at 10 Gb/s, ensuring a cost-effective upgrade path for your enterprise network. Whether it's streaming audio/video, medical imaging or other bandwidth intensive applications, InfiniCor SX+ fiber ensures an easy migration path for future demands.

Laser Performance

850 nm		
Data Rate (Gb/s)	10	1
Distance (meters)	300 ¹	1000 ² >2000 ³
EMB (MHz•km)	≥ 2000	N/A
RML BW (MHz•km)	N/A	≥ 1400

Application Spaces

- Access Networks
- Multiple Dwelling Units (MDUs)
- Local Area Networks (LANs)
- Backbone
- Riser

Protocols

- Ethernet
- Fibre Channel
- Asynchronous Transfer Mode (ATM)
- Internet Protocol (IP)
- Synchronous Optical Network (SONET)

LED Performance:

- OFL BW ≥ 1500 MHz•km @ 850 nm
- OFL BW ≥ 500 MHz•km @ 1300 nm

InfiniCor SXi Fiber - Designed for *Interconnect* Applications

InfiniCor SXi fiber is designed to provide an upgrade path to conquer bandwidth-intensive applications where data converges for routing, switching and storage. It enables cost-effective transmission of up to 10 Gb/s over 150 meters, making it ideally suited for high-speed parallel interconnects (HSPIs) in data centers and central offices.

Laser Performance

850 nm		
Data Rate (Gb/s)	10	1
Distance (meters)	150 ¹	750 ²
EMB (MHz•km)	≥ 850	N/A
RML BW (MHz•km)	N/A	≥ 850

Application Spaces

- Storage Area Networks (SANs)
- Core Edge Switching
- VSR Interconnects
- Back-plane Interconnects
- Proprietary System Interconnects

Protocols

- Fibre Channel
- InfiniBand
- Asynchronous Transfer Mode (ATM)
- Internet Protocol (IP)
- Ethernet

LED Performance:

- OFL BW ≥ 700 MHz•km @ 850 nm
- OFL BW ≥ 500 MHz•km @ 1300 nm

¹Achievable with systems installed in accordance with IEEE 802.3ae

²Achievable with systems installed in accordance with IEEE 802.3z

³Achievable with engineered links

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