

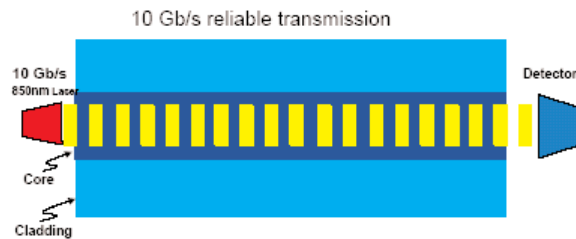


# Inter-Symbol Interference

## How reducing ISI increases bandwidth

Controlling and minimizing DMD minimizes the ISI -- and therefore maximizes the bandwidth -- of a multimode fiber system. When the laser pulses are each contained within their respective time slots, they do not smear together with the adjacent pulses. Using a fiber with low DMD can dramatically improve system performance, as illustrated here.

Modern data communications systems operate at one, two, four, and now 10 Gigabits per second. Specifying and using a low-DMD fiber such as LaserWave™ fibers from OFS will maximize the reach and data rate of your network while preserving the low cost benefits of multimode fiber based systems.



For additional information please contact your sales representative. You can also visit our website at [www.ofsoptics.com/ofsfiber](http://www.ofsoptics.com/ofsfiber) or call 1-888-fiberhelp. For regional assistance, contact:

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