

# Multimode Fibers for Sensing and other Non-Telecom Applications

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**Abstract:** Multimode fibers (MMFs) for telecom systems are typically designed to have high modal bandwidth at a wavelength of 850 nm. The large core diameter and high numerical aperture of the MMF facilitate low-loss and low-cost coupling to laser sources, making these fibers ideal for data centers. These properties also make MMFs versatile enough to be used in non-telecom applications such as distributed strain and temperature sensing. This paper will review some of these applications and discuss how they are enabled by the characteristics of the multimode fiber.

No Summary Provided