

A **laser fiber** is a thin, flexible optical fiber used in medical procedures to deliver laser energy to specific areas within the body. It's commonly employed in various minimally invasive treatments, such as in surgery, urology, cardiology, and ophthalmology. The fiber carries laser light from the laser source to the treatment site, allowing for precision in targeting and treating tissues without the need for large incisions.

Some common uses for laser fibers include: - **Urological treatments:** For procedures like kidney stone removal or prostate surgery. - **Cardiology:** To treat heart arrhythmias through catheter ablation. - **Ophthalmology:** In treatments for eye conditions such as glaucoma or retinal issues. - **ENT (Ear, Nose, and Throat):** For removing tumors or treating obstructed airways.

Laser fibers are designed for specific wavelengths of light and are chosen based on the procedure's requirements, ensuring effective tissue treatment while minimizing damage to surrounding areas.

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