Custom Process for 24-Core Large-Diameter Optical Fiber for Hospitals

Large core fibers from Fibercore. Highly customizable designs with a wide range of coatings available. Contact us today.

In this guide, we break down the two core stages of optical fiber manufacturing: preform production (shaping the precursor material) and fiber drawing (transforming the preform into thin, ...

The fiber is placed under very finely adjustable, defined tensile stress and then scratched using a diamond blade. When the diamond touches the fiber, the fiber breaks automatically along the stress ...

We partner with innovative companies ranging from start ups to large global corporations seeking high quality, cutting edge and customized fiber optic solutions to match their specific needs.

Here, we propose a method of fabricating a thermally expanded core by using a CO 2 laser as a heating source that does not require a priori splicing of fibers.

We specialize in manufacturing fully tailored optical fibers designed around your mechanical, thermal, optical, and environmental requirements.

A multipurpose glass processing platform for creating splices, combiners, tapers, couplers and end caps with optical fibers from 125 microns to 1.5 mm in diameter.

We specialize in providing leading edge solutions and manufacturing technology products such as industrial networking cables, illumination fibers, medical assemblies and optical sensors.

In medical procedures, laser energy is delivered through an optical fiber assembly. Use of optical fiber is beneficial to patients and medical doctors and also reduces medical expense. Since the fiber is thin ...

The article below focuses on the second part of the optical fiber manufacturing process - drawing the preform to make fiber with the specified outside diameter.

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