0.10 NA Multimode Fiber

FG025LJA

Description

FG025LJA fiber is specifically designed for applications such as laser projection based technologies as well as advanced sensing applications. These fibers provide ultra-high stability in laser transmission.

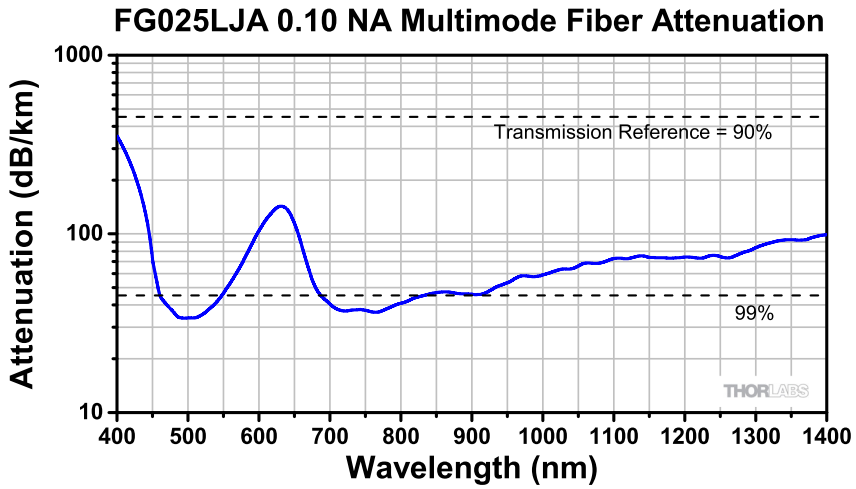
The fiber is protected with an enhanced coating material that guarantees long-term performance and reliability. The dual layer acrylate material is easy to use, insensitive to tight bending radii, and easy to strip, leaving no residue.

Specifications

Geometrical & Mechanical	
Cladding Diameter	125 ± 2.0 µm
Coating Diameter	245 ± 10 µm
Core Diameter	25 ± 3.0 µm
Core/Clad Concentricity	<1.0 µm
Coating	Two-layer Acrylate
Operating Temperature	-60 to 85° C
Proof Test Level	≥100 kpsi

Optical	
Numerical Aperture	0.100 ± 0.015
Operating Wavelength	400 to 550 nm and 700 to 1400 nm

Performance Plot



The dashed lines on this graph are benchmarks. Each is calculated for a one meter long hypothetical reference fiber that transmits the noted percentage of input light. As an example, a 1 m long fiber that transmits 90% of input light has an attenuation of 0.458 dB/m, which is equivalent to 458 dB/km.