

# Specialty Multimode Fiber and Preform

## Made by j-fiber - Your individual Solution

Making fibers is our business - and our competence. In the global data and telecommunication industries, the name j-fiber is associated with the manufacturing of high performance optical fibers - for standard applications as well as for customized fiber specials. We produce the special preforms and fibers for a wide range of applications in R+D and industry to build the optical sub-components that support optical networks as well as many industrial applications.

## Range of Specialty Multimode Products

Our range of specialty Multimode products comprises customized preforms and fibers with application specific

- Core Diameters
- Numerical Aperture
- Refractive Index Profile Shape

## The right Choice for current and next Generation transmission Applications

- Optical Communication
- Sensor Application
- High and Low Power Laser Transmission
- Lighting and Display (Show Laser)

## Chose from our wide range of fiber designs - and get the fiber configuration you need for your individual application!

Based on j-fiber's proprietary preform and fiber manufacturing technologies our team of scientists and engineers will deliver the optical fiber solution that best fits your application needs. We are able to produce preforms and fibers with various core sizes and core/clad index differences required to meet different Numerical Apertures. All our preforms and fibers are made in standard configurations or are tailor-made based on customer demands.

## Available Specification

	Spec. Values	Unit
Core Material	SiO <sub>2</sub> , GeO <sub>2</sub> , (P <sub>2</sub> O <sub>5</sub> )	
Core/Cladding Diameter Ratio (CCDR)	0.05 ... 0.75	
Preform Diameter	12 ... 70 <sup>1</sup>	mm
Numerical Aperture	0.080 ... 0.300 <sup>2</sup>	
Profile Exponent	1 ... 99	
Fiber Cladding Diameter	125 ± 2/±1	µm
Coating Diameter	245 or 500	µm
Coating Material	double layer Acrylate <sup>3</sup>	
Core/Clad-Concentricity	≤ 3	%

<sup>1</sup> depending on CCDR

<sup>2</sup> depending on index profile shape

<sup>3</sup> other coating material available upon request

All fibers and preforms are subject to j-fiber's ongoing process and quality improvement programs ensuring excellent performance and high reliability. We reserve the right to make changes to the above specifications without notice.

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For further information about our Specialty Multimode Fibers and Preforms and other j-fiber products and services, please contact us:

**j-fiber GmbH**  
Im Semmicht 1  
D-07751 Jena, Germany  
Tel.: +49-3641-352 100  
Fax: +49-3641-352 101  
Email: info@j-fiber.com  
Internet: www.j-fiber.com