



Member of LEONI Group

Ordering information

To order please call, fax or email us and specify the following parameters:

Fiber Design: j-fiber Step-index Multimode Fiber 200/240µm VIS-IR

Desired Attenuation

at Application Wavelength

Numerical Aperture

Volume km

Other Delivery date, Coating

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Confidential with regard to
DIN ISO 16016

DB-FSI-002E-01-0709
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Supersedes:
DB-FSI-002E-00-0609

j-fiber is an officially registered facility according to EWG No. 1221/2009

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 enclosed specifications without notice.



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

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Step-index Multimode Fiber 200/240 VIS-IR

Characteristics

- Step-index profile with undoped core and fluorine doped cladding
- High fiber strength and superior fiber geometry
- Fiber design available upon request with high OH content (for UV-VIS)
- Based on j-plasma FSI-IR type performs
- Color Coating upon request

Application

Laser power transmission in

- Medicine
- Industry/Research
- Aircraft, Aerospace

Optical Characteristics

	Value	Unit
Fiber Design	200/240	µm
Application Wavelength	500 - 1600	nm
Numerical Aperture	0.22 ± 0.02	
OH Content	low	

Geometrical and Mechanical Characteristics

	Value	Unit	
Core diameter	200 ± 4	µm	
Cladding diameter	240 ± 4	µm	
Coating diameter	400 ± 20	µm	
Core / Cladding non-circularity	< 3	µm	
Coating material:	Standard	UV cured acrylate	
	Operating temperature	-65 to +85	°C
	Option	HTC200: High Temperature acrylate	
	Operating temperature ¹	-60 to +150	°C
Proof test		≥ 50	kpsi
		≥ 16	N
Minimal Bending radius	Short term	25	mm
	Long term	50	mm

¹ Short term (up to 7 days) 200°C, Intermediate (up to 14 days) 180°C, Long term (> 3 months) 150°C.

Typical spectral attenuation

