

IG - 62.5/125/145 - PI300

j-fiber's 62.5µm Graded Index Multimode fiber solution with an extended operating temperature range: The graded index core consists of Ge doped fused silica and is surrounded by a pure silica cladding. The coating material withstands high temperature fluctuations.

Application

- Fiber Optic Sensors
- Data Transmission
- Data Communication (short distances)

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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Officially registered facility
according to EWG No. 761/2001



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

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		Spec. Value Range	Unit
Attenuation Coefficient	850nm	≤ 2.8 – ≤ 3.2	dB/km
	1300nm	≤ 0.6 – ≤ 1.0	dB/km
Bandwidth	850nm	≥ 160 – ≥ 400	MHz·km
	Assuming a linear relationship 1300nm	≥ 200 – ≥ 600	MHz·km
Numerical Aperture		0.275 ± 0.015	
Effective Group Index of Refraction	850nm	1.497	
	1300nm	1.493	

Geometrical Characteristics

	Spec. Values	Unit
Core Diameter	62.5 ± 2.5	µm
Core Non-Circularity	≤ 6.0	%
Core/Clad Concentricity Error	≤ 3.0	µm
Cladding Diameter	125 ± 2.0	µm
Cladding Non-Circularity	≤ 2.0	%
Coating Diameter	145 ± 5.0	µm
Standard Lengths	1.0 – 8.8	km

Coating Description

	Spec. Values	Unit
Coating Material	Polyimide	
Operating Temperature Range	- 65 to +300	°C
	-190 to +420	°C

Mechanical Characteristics

	Spec. Values	Unit
Proof Test	≥ 50	kpsi
	≥ 4.4	N

Ordering Information

To order j-fiber optical fiber please call, fax or email us and specify the following parameters:

Fiber Type:	j-fiber Multimode Fiber 62.5/125/145µm PI 300 Extended Operating Temperature Range
Desired Attenuation, Bandwidth:	at 850nm/1300nm
Fiber Quantity:	kms
Other:	desired ship date, reel length, special requests