



# FUD-4250, Revision: A 1550B-HP-LTH-YL-3mm Optical Fiber

You have selected an application designed fiber, not fully released which may have a longer lead time than our standard products.

Parameter	Min	Nom	Max	Unit	Compliance
Operating Wavelength	1460		1620	nm	Design
Core Attenuation at 1550 nm	0		0.5	dB/km	Measured
Core NA		0.13			Design
Cutoff	1350		1450	nm	Measured
Mode Field Diameter at 1550 nm	9		10	μm	Measured
Clad Diameter	124		126	μm	Measured
Core Diameter		9		μm	Design
Core/Clad Offset	0		0.5	μm	Measured
Coating Diameter	230		260	μm	Measured
Coating-Clad Concentricity	0		5	μm	Measured
Buffer Diameter		900		μm	Design
Jacket diameter		3		mm	Design
Long Term Bend Radius	13			mm	Design
Short Term Bend Radius	6			mm	Design
Proof test Level	200		220	kpsi	Measured
Comments	Buffer Requirements: Buffered with loose tube Hytrel to 900 microns nominal. Coating Requirements: UV Cured, Dual Acrylate coating. Jacket Color: Yellow. Jacket Requirements: Buffered fiber will then be covered by aramid yarn strength members before jacketing with Hytrel to 3 mm nominal.				



7 Airport Park Road, East Granby, CT 06026 • 860.408.5000 • Toll-free 866.466.0214 • Fax 860.844.0210 • E-mail [info@nufern.com](mailto:info@nufern.com) • [www.nufern.com](http://www.nufern.com) •  
 Nufern products are manufactured under an ISO 9001:2008 certified quality management system.



Custom developed fiber (FUD) specifications are subject to change without notice. Other configurations such as alternative form factors, optimized cut-off and UV cured color coating may be available. Let us know how Nufern can assist with your requirements.