



# FUD-4095, Revision: A 980C-MC 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	980		1600	nm	Design
Core Attenuation at 980 nm	0		3	dB/km	Measured
Core NA		0.16			Design
Cutoff	890		950	nm	Measured
Mode Field Diameter at 980 nm	4.6		5.2	μm	Measured
Mode Field Diameter at 1550 nm	7.4		8	μm	Measured
Core Diameter		4.4		μm	Design
Clad Diameter	124		126	μm	Measured
Clad Non-Circularity	0		2	%	Measured
Core/Clad Offset	0		0.3	μm	Measured
Coating Diameter	230		260	μm	Measured
Customer comment:	The coating tolerance within the spool must be <0.7 microns as measured on the top and bottom of the spool.				
Coating Tolerance	0		0.7	μm	Measured
Coating-Clad Concentricity	0		5	μm	Measured
Long Term Bend Radius	13			mm	Design
Short Term Bend Radius	6			mm	Design
Proof test Level	200		220	kpsi	Measured
Operating Temperature Range	-55		85	°C	Design
Comments	Coating Requirements: UV Cured, Dual Acrylate Other Requirements: 300 meter minimum length requirement on each spool. Bend Loss: The bend loss for 100 turns @ LTBR (nominal) is 0.001 dB @ 980, by design. Bend Radius: The bend radius for 0.05 dB/100 turns is much less than LTBR @ 980 nm, by design.				



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.