



# FUD-3499, Revision: D PM085 LNA-FA 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		1100	nm	Design
Cladding Attenuation at 1095nm	0		15	dB/km	Measured
Core NA		0.085			Design
Cladding NA (5%)	0.46				Design
Cutoff	900		980	nm	Measured
Gaussian MFD at 1060 nm	10		11	μm	Measured
Customer comment:	Mode Field Diameter at 1060 nm to be the 1/e <sup>2</sup> fit of the far field profile (Gaussian), measured on the PK2500 using the variable aperture method.				
Beat Length at 1060 nm	2.5		3.5	mm	Measured
Crosstalk at 980 nm per 100 meters	-100		-30	dB	Measured
Crosstalk at 980 nm per 5 meters	-100		-40	dB	Measured
Core Diameter		9		μm	Design
Clad Diameter	124		126	μm	Measured
Core/Clad Offset	0		0.7	μm	Measured
Coating Diameter	230		260	μm	Measured
Coating-Clad Concentricity	0		5	μm	Measured
Proof test Level	100		120	kpsi	Measured
Operating Temperature Range	-40		85	°C	Design
Bend Loss at 10 cm diameter	0		0.02	dB/m	Measured
Customer comment:	Attenuation measured at 1060 nm on a 10 cm diameter spool with 20 turns to be less than 0.02 dB/m, and will be measured once per lot of fiber.				
Bend Loss at 20 cm diameter	0		5	dB/km	Measured
Customer comment:	Attenuation measured at 1060 nm on a 20 cm diameter spool with 100 turns to be less than 5 dB/km, and will be measured once per lot of fiber.				
Comments	Coating Requirements: Low Index Polymer Coating				



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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.