FUD-3562, Revision: A
PM075 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		0.075			Design
Cladding NA (5%)	0.46				Design
Cutoff	900		1010	nm	Measured
Gaussian MFD at 1060 nm	11.5		12.7	µm	Measured
Customer comment:	Mode Field Diameter at 1060 nm to be the 1/e2 fit of the far field profile (Gaussian), measured on the PK2500 using the variable aperature method.				
Beat Length at 1060 nm	1		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		10.5		µm	Design
Clad Diameter	124		126	µm	Measured
Core/Clad Offset	0		2	µm	Measured
Coating Diameter	230		260	µm	Measured
Coating-Clad Concentricity	0		5	µm	Measured
Prooftest Level	100		120	kpsi	Measured
Operating Temperature Range	-40		85	°C	Design
Bend Loss at 10 cm diameter	0		0.05	dB/m	Measured
Customer comment:	Attenuation measured at 1060 nm on a 10 cm diameter spool with 20 turns to be less than 0.05 dB/m, and will be measured once per lot of fiber.				
Bend Loss at 20 cm diameter	0		10	dB/km	Measured
Customer comment:	Attenuation measured at 1060 nm on a 20 cm diameter spool with 100 turns to be less than 10 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.

RoHS