



FUD-3746, Revision: A PM1550C2-80 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	1440		1625	nm	Design
Core Attenuation at 1550 nm	0		2	dB/km	Measured
Core NA		0.16			Design
Cutoff	1350		1500	nm	Measured
Cutoff Range within Spool	0		50	nm	Measured
Mode Field Diameter at 1550 nm	7		8.2	μm	Measured
Beat Length at 633 nm	0		1.2	mm	Measured
Crosstalk at 1550 nm per 100 meters	-100		-28	dB	Measured
h-parameter at 1500 nm	5e-07		1.6e-05	1/m	Measured
Core Diameter		6.5		μm	Design
Clad Diameter	78		82	μm	Measured
Core/Clad Offset	0		0.5	μm	Measured
Coating Diameter	160		170	μm	Measured
Coating-Clad Concentricity	0		5	μm	Measured
Customer Requested Spool Length	1040	1050	1070	m	Measured
Proof test Level	100		120	kpsi	Measured
Operating Temperature Range	-30		70	°C	Design
Storage Temp Range	-55		105	°C	Design
Comments	Special Core Dopants: SiO ₂ / GeO ₂ Coating Requirements: UV-Cured, dual layer acrylate coating. Other Requirements: Polarization-maintaining fiber with dual circular stress elements.				



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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.