



FUD-4144, Revision: B PM-S405-EXT 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	400		680	nm	Design
Core Attenuation at 488 nm	0		30	dB/km	Measured
Core Attenuation at 640 nm	0		50	dB/km	Measured
Macrobend Loss 640nm/150mm/3m	0		0.5	dB	Measured
Core NA		0.095			Design
Cutoff	370		410	nm	Measured
Beam Divergence at 405 nm	100		140	mRads	Measured
Beam Divergence at 488 nm	100		140	mRads	Measured
Beam Divergence at 635 nm	100		140	mRads	Measured
Beam Divergence Variation 405 nm to 640 nm	0		20	%	Measured
Birefringence		0.0002			Design
Core Diameter		3		µm	Design
Clad Diameter	124		126	µm	Measured
Core/Clad Offset	0		0.6	µm	Measured
Coating Diameter	230		260	µm	Measured
Proof test Level	200		220	kpsi	Measured
Comments	Coating Requirements: UV cured dual acrylate coating. Other Requirements: 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.

