



FUD-4190, Revision: C PM-S405-XP-BK-S-BLN 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 630 nm	0		30	dB/km	Measured
Core NA		0.12			Design
Cutoff	370		410	nm	Measured
Gaussian MFD at 405 nm	3.1		4.1	μm	Measured
Gaussian MFD at 630 nm	4.5		5.5	μm	Measured
Birefringence		0.0002			Design
Crosstalk at 630 nm per 10 meters	-50		-30	dB	Measured
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
Coating-Clad Concentricity	0		5	μm	Measured
Coating Non-Circularity	0		2	%	Measured
Buffer Diameter		900			Design
Stowage Length	2		5	m	Measured
Customer comment:	Shipping spools shall contain 2 meters on the inside end of fiber on flange.				
Prooftest Level	200		220	kpsi	Measured
Comments	Buffer Requirements: Fiber is first inked in BLACK, with inking expected to add 5 to 10 ums to the acrylate coating diameter of the fiber. Next, fiber to be buffered with Silicone to 425 microns. Fiber to finally be jacketed with Blue Nylon to 900 microns. Other Requirements: Dual circular stress elements. Customer Comments: Fiber properties will be tested prior to buffering.				



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 • 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.