



FUD-3781, Revision: B PM630-HP-BK-S-BN 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	630		780	nm	Design
Core Attenuation at 630 nm	0		20	dB/km	Measured
Core NA		0.12			Design
Cutoff	520		620	nm	Measured
Gaussian MFD at 630 nm	4		4.5	µm	Measured
Birefringence		0.00035			Design
Beat Length at 630 nm		1.8		mm	Design
Core Diameter		3.5		µm	Design
Clad Diameter	124		126	µm	Measured
Core/Clad Offset	0		0.5	µm	Measured
Coating Diameter	230		260	µm	Measured
Coating-Clad Concentricity	0		5	µm	Measured
Buffer Diameter	850		950	µm	Measured
Stowage Length	2		5	m	Measured
Customer comment:	Shipping spools shall contain 2 meters on the inside end of fiber on flange.				
Proof test Level	200		220	kpsi	Measured
Operating Temperature Range	-40		85	°C	Design
Comments	Special Core Dopants: SiO ₂ /GeO ₂ 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 +/- 25 microns. Fiber to finally be jacketed with Black Nylon to 900 +/- 50 microns. Coating Requirements: UV Cured, Dual Acrylate Other Requirements: All properties measured prior to buffering.				



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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.