FUD-3414, Revision: B
PM630-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		15	dB/km	Measured
Core NA		0.12			Design
Cutoff	520		620	nm	Measured
Gaussian MFD at 630 nm	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
Prooftest Level	200		220	kpsi	Measured
Operating Temperature Range	-40		85	°C	Design

Comments

Special Core Dopants: SiO2/GeO2
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: Attenuation at 630 nm to be measured on fiber prior to buffering. Fiber will be prooftested 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.

RoHS