FUD-4231, Revision: A PM-S405-XP-BK-S-BKN 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 405nm	0		50	dB/km	Measured
Core NA		0.12			Design
Cutoff	360		405	nm	Measured
Gaussian MFD at 405 nm	2.7		3.7	µm	Measured
Gaussian MFD at 630 nm	4		5	µm	Measured
Birefringence		0.0002			Design
Crosstalk at 630 nm per 2 meters	-50		-30	dB	Measured
Customer comment:	Crosstalk is measured at 630-nm on a 10-m sample. The value will be normalized to 2-m.				
Core Diameter		3		µm	Design
Core Non-Circularity	0		15	%	Measured
Clad Diameter	124		126	µm	Measured
Core/Clad Offset	0		1	µm	Measured
Coating Diameter	230		260	µm	Measured
Buffer Diameter		900			Design
Prooftest Level	100		120	kpsi	Measured
Operating Temperature Range	15		50	°C	Design
Storage Temp Range	-20		60	°C	Design

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 Black Nylon to 900 microns.
Coating Requirements: UV-Cured Dual Acrylate Coating.
Other Requirements: Dual circular stress elements.
Customer Comments: Fiber properties will be tested prior to buffering.

NUFERN

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