FUD-4220, Revision: B S405-XP-PVC-BL-3mm 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
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		µm	Design
Prooftest Level	200		220	kpsi	Measured
Operating Temperature Range	-60		85	°C	Design

Comments

Buffer Requirements: Buffered with tight PVC to 900 microns nominal.
Coating Requirements: UV cured dual acrylate coating.
Other Requirements: Fiber is first inked in BLACK, with inking expected to add 5 to 10 ums to the acrylate coating diameter of the fiber.
Jacket Color: Blue.
Jacket Requirements: Buffered fiber will then be covered by aramid yarn strength members before jacketing with tight PVC to 3 mm nominal. Jacket to be labeled with Nufern's base fiber part number in 1 or 2 meter increments.

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