



# FUD-3299, Revision: B S460-BK-HYT-YL 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	460		525	nm	Design
Core Attenuation at 460 nm	5		30	dB/km	Measured
Core Attenuation at 630 nm	5		100	dB/km	Measured
Customer comment:	Attenuation at 630 nm to be provided if it can be measured. Reported, but not specified. If above 100dB/km or unable to be measured, a value of 100dB/km will be entered.				
Core NA		0.12			Design
Core Diameter		3		μm	Design
Clad Diameter	124	125	126	μm	Measured
Core Non-Circularity	0		7.5	%	Measured
Customer comment:	Based on core measurement specification the mode circularity should be $\geq 95\%$ .				
Core/Clad Offset	0		0.5	μm	Measured
Cutoff	400		450	nm	Measured
Beam Divergence at 488 nm	162		198	mRads	Measured
Mode Field Diameter at 460 nm	3	3.3	3.6	μm	Measured
Coating Diameter	230	245	260	μm	Measured
Coating-Clad Concentricity	0		5	μm	Measured
Buffer Diameter	850	900	950	μm	Measured
Proof test Level	100		120	kpsi	Measured
Operating Temperature Range	0		50	°C	Design
Storage Temperature Range	-30		80	°C	Design
Comments	Special Core Dopants: Pure Silica 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 tight yellow Hytrel to 900 microns. Coating Requirements: UV Cured, Dual Acrylate. Customer Comments: Former fiber description "PSSM1L".				



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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.

