



# FUD-4223, Revision: B 1060-XP-PVC-RD-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	1050		1600	nm	Design
Core Attenuation at 980 nm	0		2.1	dB/km	Measured
Core Attenuation at 1060 nm	0		1.5	dB/km	Measured
Core NA		0.14			Design
Cutoff	890		950	nm	Measured
Mode Field Diameter at 980 nm	5.4		6.4	μm	Measured
Mode Field Diameter at 1060 nm	5.7		6.7	μm	Measured
Mode Field Diameter at 1550 nm	9		10	μm	Measured
Core Diameter		5.8		μm	Design
Clad Diameter	124.5		125.5	μm	Measured
Core/Clad Offset	0		0.3	μm	Measured
Coating Diameter	235		255	μm	Measured
Coating-Clad Concentricity	0		5	μm	Measured
Long Term Bend Radius	13			mm	Design
Short Term Bend Radius	6			mm	Design
Proof test Level	200		220	kpsi	Measured
Operating Temperature Range	-55		85	°C	Design
Comments	Buffer Requirements: Buffered with tight PVC to 900 microns nominal. Coating Requirements: UV cured dual acrylate coating. Jacket Color: Red. 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. Bend Loss: Bend loss at 1060 nm (100 turns, 13 mm radius) is <0.001 dB, by design. Bend Radius: Bend radius for 0.05 dB/100 turns at 1550 nm is 57 mm, by design.				



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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.