



FUD-3845, Revision: A PM630-HYT-BL-2mm PVDF 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
Proof test Level	200		220	kpsi	Measured
Operating Temperature Range	-40		85	°C	Design
Comments	Special Core Dopants: SiO ₂ /GeO ₂ Buffer Requirements: Buffered with blue Hytrel to 900 microns, nominal. Coating Requirements: UV Cured, Dual Acrylate Other Requirements: MFD at 630 nm is the 1/e ² fit of the near field profile (Gaussian). Dual circular stress rod style PM fiber. Jacket Requirements: Buffered fiber will then be covered by aramid yarn before jacketing with yellow PVDF to 2 mm. The PVDF Jacket outer diameter = 1879 microns to 2083 microns by design. The PVDF Jacket inner diameter = 1270 microns to 1372 microns by design. PVDF Jacket wall thickness = 254 to 356 microns by design.				



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.



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.

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