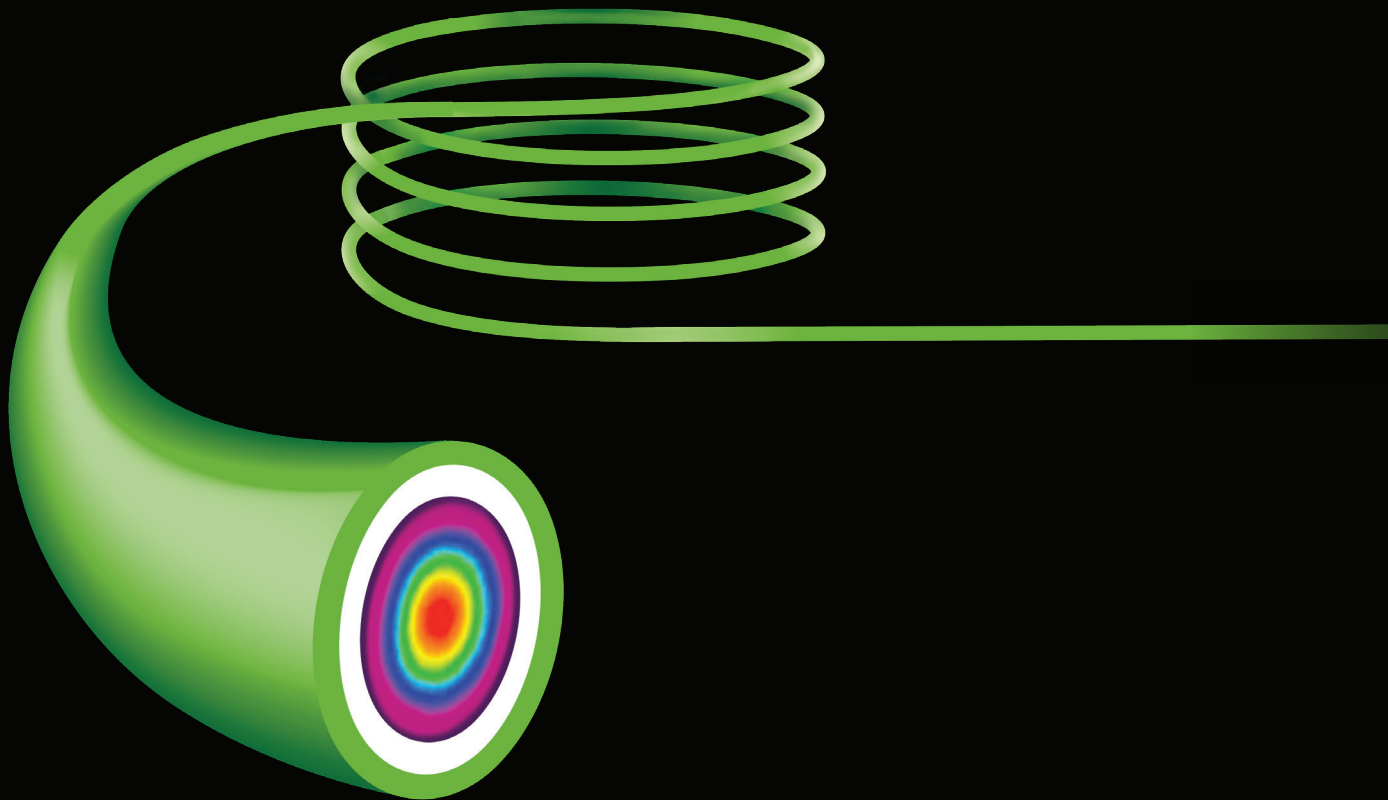


*NU*BEAM™



Delivering Light Energy

Nufern's NuBEAM multimode, step index beam delivery fibers are designed for solid state, fiber and diode laser systems. Benefiting from an environmentally controlled facility and many years of experience, the engineers at Nufern have developed a new generation of beam delivery fibers designed to address the laser industry's ever increasing need for greater power handling capability. NuBEAM fibers are available in a large assortment of core and clad diameters accommodating the widest range of applications. NuBEAM power delivery fibers are offered with silicone and transparent nylon buffers. They are also available with Nufern's proprietary NuCOAT_{FA} coating for added power confinement or polyimide for high temperature applications.



www.nufern.com



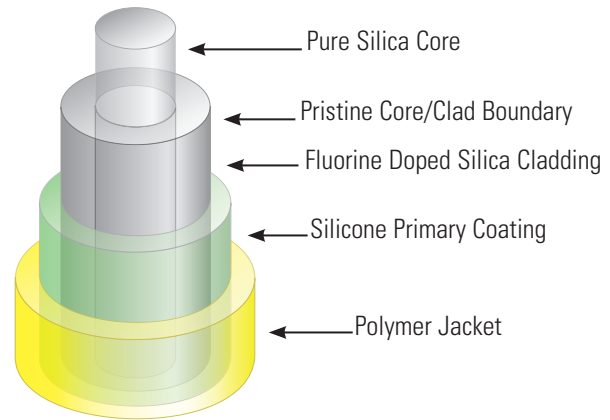
Optical Features & Benefits

- Exceptional geometric tolerances — Ease of assembly and superb repeatability
- Clean room fiber draw — Eliminates “hot spots”
- Pure silica core — High damage resistance and very low attenuation

Mechanical Features & Benefits

- Robust design — Compatible with majority of fiber interconnect systems
- Clean room processing — Provides high-strength and long-life fibers
- Core diameters ranging from 50 μm to 1000 μm — Covers the lowest to highest power applications

Typical Fiber Construction



Standard NuBEAM Pump Delivery Fibers

Product Number	Core Diameter	Core NA	First Clad Diameter	Coating Material
MM-S105/125-12A	105 μm	0.12	125 μm	Acrylate
MM-S105/125-15A		0.15		
MM-S105/125-22A		0.22		
MM-S106.5/125-22HTA	106.5 μm	0.22		High-Temperature Acrylate
MM-S135/155-22FA	135 μm	0.22	155 μm	NuCOAT _{FA} (Fluoroacrylate)
MM-S200/220-12A	200 μm	0.12	220 μm	Acrylate
MM-S200/220-22A		0.22		
MM-S200/240-22A		0.22		
MM-S400/440-12A	400 μm	0.12	440 μm	Acrylate
MM-S400/440-22A		0.22		
MM-S400/480-22FA		0.22		

Standard NuBEAM Power Delivery Fibers

Product Number	Core Diameter	First Clad Diameter	Second Clad Diameter	Silicone First Buffer Diameter	Transparent Nylon Final Buffer
BD-S50/70/360-STN	50 μm	70 μm	360 μm	460 μm	650 μm
BD-S50/70/480-STN			480 μm	580 μm	750 μm
BD-S50/70/660-STN			660 μm	780 μm	1100 μm
BD-S100/120/360-STN	100 μm	120 μm	360 μm	460 μm	650 μm
BD-S100/130/480-STN		130 μm	480 μm	580 μm	750 μm
BD-S100/130/660-STN			660 μm	780 μm	1100 μm
BD-S200/240-STN	200 μm	240 μm	NA	335 μm	470 μm
BD-S200/220/360-STN		220 μm	360 μm	460 μm	650 μm
BD-S200/230/660-STN		230 μm	660 μm	780 μm	1100 μm
BD-S300/330/360-STN	300 μm	330 μm	360 μm	460 μm	650 μm
BD-S400/440/660-STN	400 μm	440 μm	660 μm	780 μm	1100 μm
BD-S1000/1100-STN	1000 μm	1100 μm	NA	1200 μm	1400 μm

NuCOAT_{FA}, high temperature acrylate or polyimide coating also available upon request