

# Flexiva™

High Power Single-Use Laser Fiber



Engineered  
*for the Future*

Boston  
Scientific  
*Delivering what's next.™*

# Flexiva™

## High Power Single-Use Laser Fiber

Laser Compatibility is a key criteria for laser fiber performance. The Flexiva Fibers are cleared for use on Holmium and Nd:YAG lasers with standard SMA-905 Connectors and recommended for use with Lumenis Laser Systems.

Flexiva Fibers are **engineered for the future**. Flexiva Fibers offer new technology designed to handle the power requirements of VersaPulse® PowerSuite™ Laser Systems while performing at a high degree of flexibility and durability for the most challenging cases.



### Polished Output Tip

- Designed to remove sharp edges and reduce imperfections from mechanical or hand cleaving.
- Damaged output tips can result in redirection or reflection of laser energy away from the fiber tip and potential for decreased output efficiency.<sup>1</sup>

### Bend Durability

- Flexiva Fibers are designed to reduce scope damage which can be caused by fiber breakage. The Flexiva 200 and 365 Fibers are engineered to perform at bend diameters smaller than a fully deflected flexible ureteroscope without thermal breakdown.
- Technology for High Durability and High Power:
  - The Flexiva 200 Fiber can withstand a 1.0cm bend diameter at 2J and 25 Hz (50W).\*
  - The Flexiva 365 Fiber can withstand a 1.5cm bend diameter at 2.5J and 40 Hz (100W).\*

#### Primary Cladding

designed to keep energy in the core through total internal reflection



Pure Silica Core

#### FlexShield™

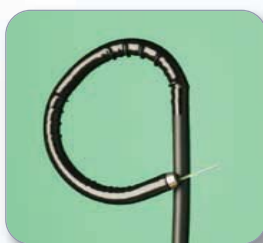
Custom process and coating materials designed for higher power input at tighter bend diameters.

\* Bench tests on file with Boston Scientific. Bench test results may not necessarily be indicative of clinical performance.

## Full Deflection



**Flexiva 200 Fiber**  
in a fully deflected  
Storz Flex-X®2 Scope



**Flexiva 200 Fiber**  
in a fully deflected  
ACMI DUR®-8 Elite Scope

## Optical Connection

- The **Custom Guided Connector** is compatible with the optical parameters of Lumenis VersaPulse® PowerSuite™ Laser Systems.
- Designed to maximize performance by delivering consistent high output efficiency at the treatment site.

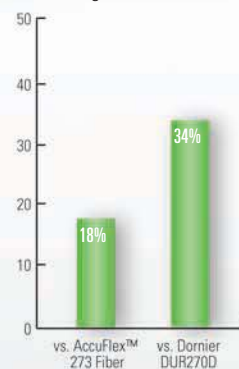


## Durable Materials

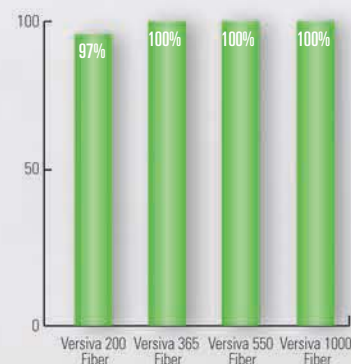
- Fiber burnback can vary between fibers and may decrease fragmentation efficiency and fiber longevity.
- Flexiva 200 Fibers have a 44% reduction in burnback rate compared to AccuFlex 200 Fiber.\*



**Flexiva 200 Fiber  
Flexibility Improvement\***  
compared to commercially available fibers  
(grams force)

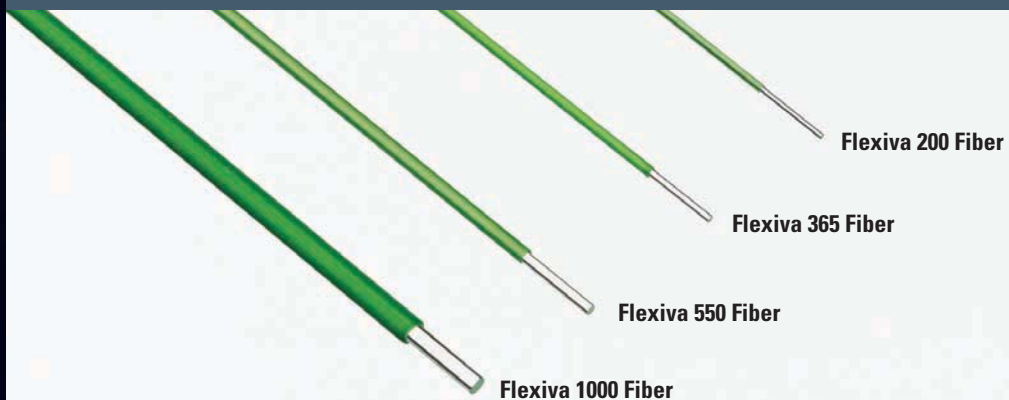


**Output Efficiency at  
Max Wattage Rating\***





## Flexiva™ High Power Single-Use Laser Fiber



### Ordering Information

Product Code	Description	Maximum Input Wattage	Units
M0068403910	Flexiva 200	50 watts	Each
M0068403911	Flexiva 200	50 watts	Box/5
M0068403920	Flexiva 365	100 watts	Each
M0068403921	Flexiva 365	100 watts	Box/5
M0068403930	Flexiva 550	100 watts	Each
M0068403931	Flexiva 550	100 watts	Box/5
M0068403940	Flexiva 1000	100 watts	Each
M0068403941	Flexiva 1000	100 watts	Box/5

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**Ordering Information**  
**1.888.272.1001**

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BVU2590 Rev. A 2.5M 11/10

<sup>1</sup> Lee, et al. Effect of Lithotripsy on Ho:YAG Optical Beam Profile, *Journal of Endourology*, Vol 17, No. 2, 63-67, March 2003.

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DUR is a registered trademark of ACMI.

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