

ArmD® Multi-Core Optical Fiber

Concentric and Separate Multi-Core Fibers

ArmD® Multi-Core Fiber Optics unlock a spectrum of capabilities for laser power delivery, providing precise control over power density and beam shape through the utilization of different cores or multiple cores simultaneously. Armadillo offers customizable multi-core optical fibers tailored to meet your specific needs.

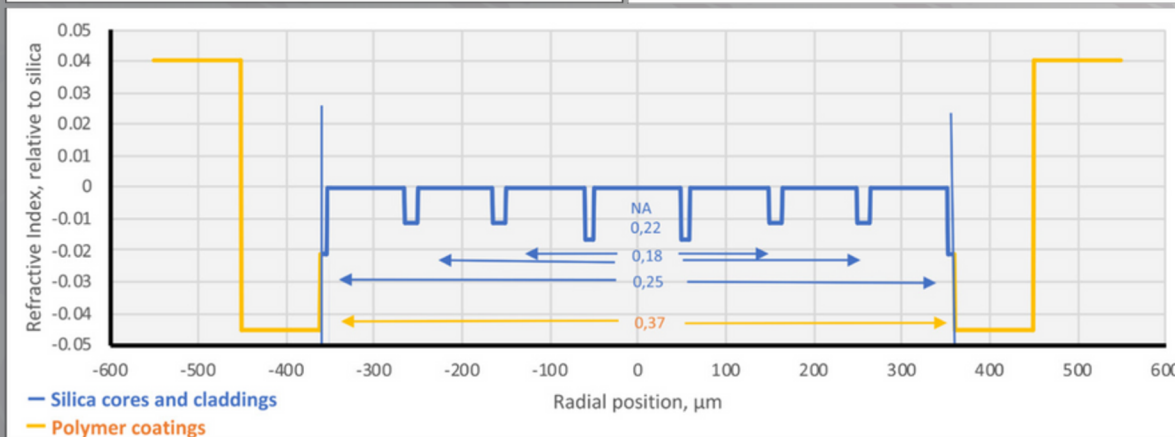
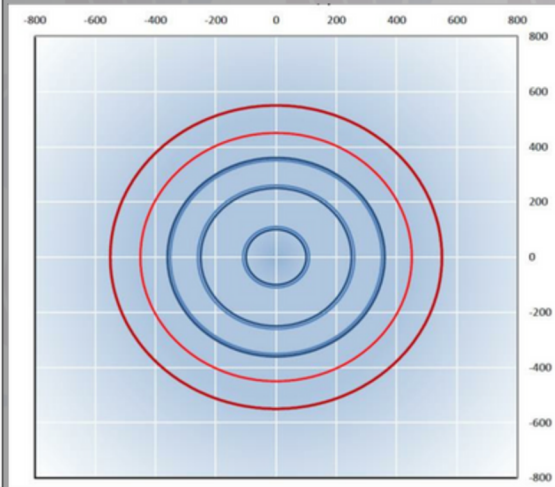
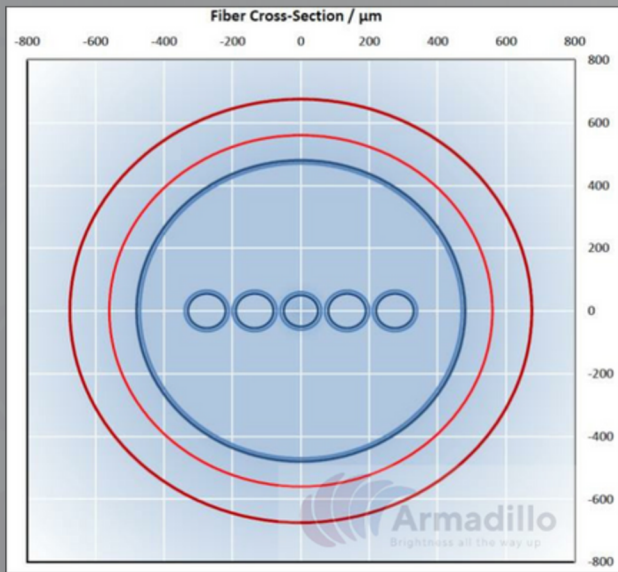
Advantages

- Support for multi-kilowatt power levels
- Capability for non-circular core shapes
- Precise control over power density
- Enhanced precision
- Step-index profile
- Availability of special jackets for high temperatures, high vacuum, and harsh chemicals
- Sterilizable using ETO and other methods

Our multi-core fibers are fully customizable. Please contact us for more information.

Secondary Jacket:
 ETFE (Tefzel®): -40 to +150°C
 Nylon: -40 to +100°C
 Acrylate: -40 to +85°C
 DuPont Hytrel® 7246: -40 to +140°C
 Acrylate DeSolite® DF-0009: -40 to 150°C
 PFA Fluon®: -200° to +260°C

Primary Coating:
 Hard Clad (Fluorinated Acrylate): -40 to +80°C
 Silicone: -40 to +150°C
 Polyimide: -190 to +350°C
 Acrylate: -40 to +85°C
 Aluminum: -196 to +400°C



armadillosia.com
 +1-408-900-8883
 info@armadillosia.com



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