

Clad Rod / Image Conduit

Light or Image Transfer



Performance Characteristics

Clad Rod and Image Conduit are utilized for light or image transfer. Clad Rods exhibit excellent transmission properties and are ideal for applications requiring light transmission to isolate or to remotely locate photo sensors and sources of light. Clad glass rods consist of a high index core material coated with a lower refractive index glass, thus providing total internal reflection. Custom lengths and cross sections can be manufactured to customer specifications. Typical applications for Clad Rod include liquid level sensing and pyrometry.

Image Conduit transmits an image from one end of a rigid fiber optic rod and displays that image on the opposite rod end. Standard image conduit is supplied with polished ends. Image conduit can be readily bent by heating to conform to any prescribed path with minimal transmission loss. Typical applications for Image Conduit include gyroscopes and optical feedback sensors for night vision systems.

Typical Clad Rod / Image Conduit Specifications

Standard Clad Rods

Diameter (mm)	Finished Lengths (mm)
1.6	152.4 and 304.8
3.18	
6.35	

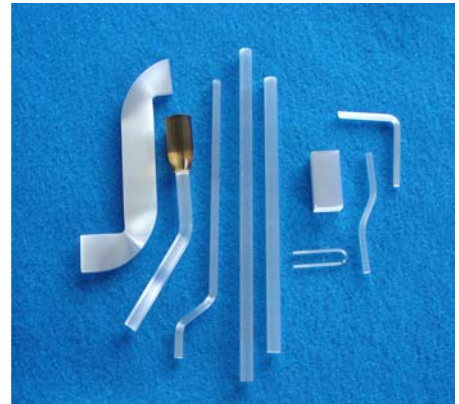
Custom diameters and lengths (up to 2 meters) available

Typical Clad Rod / Image Conduit Specifications

Standard Image Conduit

Type	Diameter (mm)	Fiber Size (μm)	152.4 and 103.8
Low Element Count	1.6	24	
	3.18	50	
	6.35	100	
High Element Count	3.18	12	
	6.35	24	

Custom diameters and lengths (up to 2 meters) available



For more information please contact

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