

# 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          |                       |

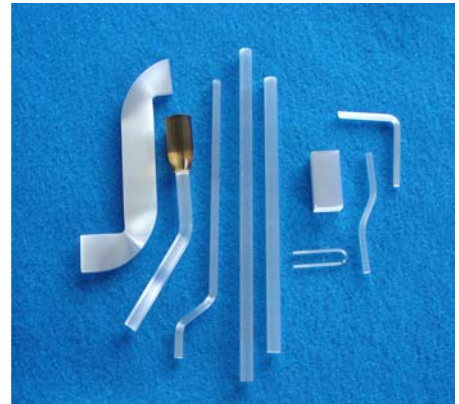
Custom diameters and lengths (up to 2 meters) available

## 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              |                 |

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For more information please contact

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