

# SCHOTT® Image Conduit

Image Transfer



## Applications

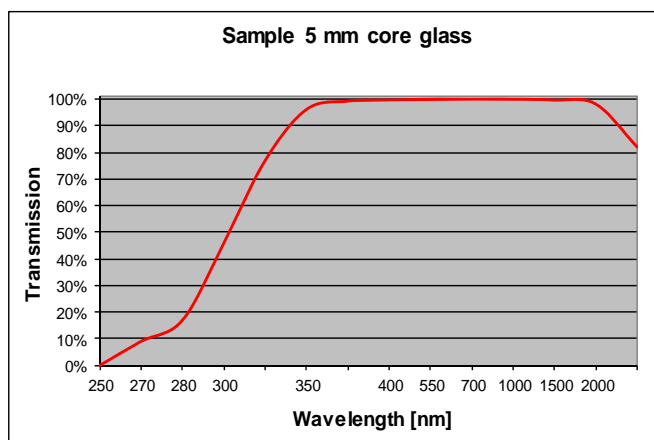
- Image transmission
- Gyroscopes and optical feedback sensors for night vision systems



## Performance Characteristics

Image Conduit is a rigid fiber optic rod designed to transmit a coherent image from one end face to the opposite end face. They are produced with a customized process which tailors the fiber size to the specific application. Image conduit can be readily bent by heating to conform to a prescribed path with minimal distortion and transmission loss. Typical applications include gyroscopes and optical feedback sensors for night vision systems.

Image Conduits can operate at temperatures up to 350°C, and are compatible with common optical coatings.



## Typical Image Conduit Specifications

| Standard Image Conduit – Numerical Aperture 0.56 |               |                 |                                                                                           |
|--------------------------------------------------|---------------|-----------------|-------------------------------------------------------------------------------------------|
| Type                                             | Diameter (mm) | Fiber Size (µm) | Finished Lengths                                                                          |
| Low Element Count                                | 1.6           | 24              | Custom diameters and lengths (up to 2 meters) available<br><u>-Per customer's request</u> |
|                                                  | 3.18          | 50              |                                                                                           |
|                                                  | 6.35          | 100             |                                                                                           |
| High Element Count                               | 3.18          | 12              |                                                                                           |
|                                                  | 6.35          | 24              |                                                                                           |

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