

SCHOTT® Image Conduit

Image Transfer



Examples

Custom shapes

Product and 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.

Applications

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

Typical Image Conduit Specification

Standard Image Conduit – Numerical Aperture 0.56

Type	Diameter (mm)	Fiber Size (µm)	Finished Lengths
	1.6	24	Custom diameters and lengths (up to 2 meters) available -Per customer's request
Low Element Count	3.18	50	
	6.35	100	
High Element Count	3.18	12	
	6.35	24	

