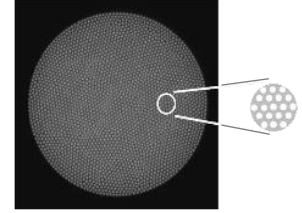


Image Fiber FIGH series G type

Fujikura image fiber is a silica-based optical fiber. It consists of multiple silica cores and cladding that are fused together, forming a high-resolution image fiber.

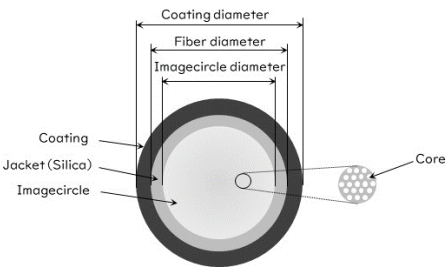
FJK is able to manufacture various types of Image fibers according to customer specifications, from design and prototyping to mass production. Please contact us for more information.



Features

- Good balanced type of the Performance, Resolution and Diameter
- High heat resistance
- Long image fiber by excellent transmittance
- Applicable for biocompatibility(USP classVI)

Specifications

	FIGH-06-350G	FIGH-17-600G	FIGH-30-800G	FIGH-40-920G
Number of picture elements	6,000 ± 600	17,000 ± 1,700	30,000 ± 3,000	40,000 ± 4,000
Imagecircle diameter (μm)	325 ± 20	560 ± 30	750 ± 40	854 ± 30
Fiber diameter (μm)	350 ± 20	600 ± 30	800 ± 40	920 ± 30
Coating diameter (μm)	420 ± 30	680 ± 35	950 ± 50	1,030 ± 40
Minimum bending radius (mm)	35(*1) (20(*2))	60(*1) (30(*2))	80(*1) (40(*2))	100(*1) (70(*2))
Coating material	Silicone resin (Black)			
Lattice defect (%)	< 0.1			
Uncircularity of imagecircle (%)	< 5			
Cross-section image				

*1. Minimum bending radius in storage.

*2. Recommended bending radius in use for short period of time.

(For your reference only, possible breakages due to static fatigue)



Contact us