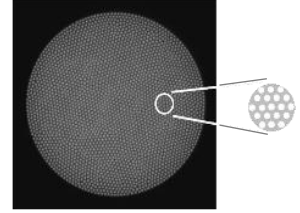


Image Fiber FIGH series N type

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.

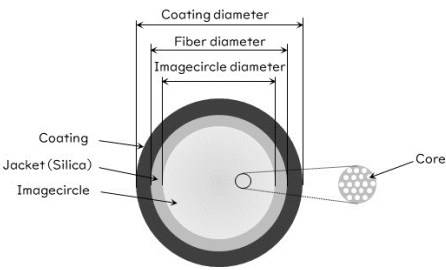
FJK is able to manufacture various types of Image fibers according to customer specifications, from design and prototyping to mass production. Please contact us for more information.



Features

- High Resolution and High Color Reproducibility
- High heat resistance
- Long image fiber by excellent transmittance
- Applicable for biocompatibility(USP classVI)

Specifications

	FIGH-10-500N	FIGH-15-600N	FIGH-30-850N	FIGH-50-1100N
Number of picture elements	10,000 ± 1,000	15,000 ± 1,500	30,000 ± 3,000	50,000 ± 5,000
Imagecircle diameter (μm)	460 ± 25	550 ± 30	790 ± 50	1,025 ± 80
Fiber diameter (μm)	500 ± 25	600 ± 30	850 ± 50	1,100 ± 80
Coating diameter (μm)	600 ± 35	700 ± 35	950 ± 50	1,200 ± 100
Minimum bending radius (mm)	50(*1) (25(*2))	60(*1) (30(*2))	90(*1) (50(*2))	110(*1) (80(*2))
Coating material	Silicone resin (Black)			
Lattice defect (%)	< 0.1			
Uncircularity of imagecircle (%)	< 5			
Cross-section image				

*1. Minimum bending radius in storage.

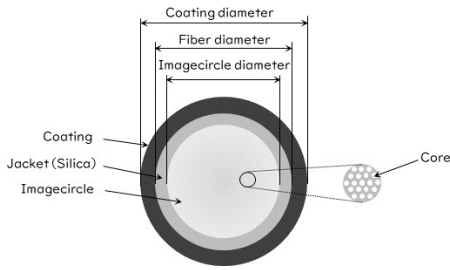
*2. Recommended bending radius in use for short period of time.

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



Contact us

Specifications

	FIGH-60-1200N	FIGH-100-1500N
Number of picture elements	60,000 ± 6,000	100,000 ± 10,000
Imagecircle diameter (μm)	1,116 ± 50	1,400 ± 120
Fiber diameter (μm)	1,200 ± 50	1,500 ± 120
Coating diameter (μm)	1,275 ± 80	1,700 ± 150
Minimum bending radius (mm)	150(*1) (100(*2))	200(*1) (130(*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