304.8mm High Resolution Image Conduit with 24µm Fibers

Stock **#38-304** [CONTACT US]

⊖ 1 ⊕   **MRP** **₹71,154**

⬤ Price inclusive of all taxes

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Volume Pricing	
Qty 1-4	**₹71,154** each
Qty 5-24	**₹62,658** each
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General

Type:

High-Resolution

Packing Fraction (%):

100.00

Physical & Mechanical Properties

Minimum Bend Radius (mm):

25.6

Diameter Tolerance (inches):

±0.010

	Length (mm):
304.80	

	Number of Fibers:
50419.00	

	Outer Diameter (mm):
6.40	

	Length Tolerance (inches):
±0.030	

Optical Properties

	Numerical Aperture NA:
0.55	

	Resolution:
20 lp/mm	

	Transmission (%):
35 - 45	

	Fiber Diameter (µm):
24.00	

	Index of Refraction (n_d) - Core:
1.58	

	Index of Refraction (n_d) - Cladding:
1.48	

	Wavelength Range (nm):
350 - 1500	

Material Properties

	Transformation Temperature (°C):
704.00	

Environmental & Durability Factors

	Operating Temperature (°C):
454.00	

Regulatory Compliance

	Certificate of Conformance:
View	

	Country of Origin:
United States	

	Imported By:
Edmund Optics India Private Limited	

Edmund Optics India Private Limited
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Product Details

- Fused Glass Optical Fiber Rods with Ground and Polished Faces
- Coherent Arrangement of Fibers Relays Images
- Rigid Rods Bend Under Heat to Almost Any Orientation

Fiber Optic Image Conduits transmit images from one polished face to the other and can be used straight or bent to fit space requirements without loss of light transmission. These conduits are fused glass optical fiber rods with ground and polished faces. These Fiber Optic Image Conduits can be bent by heating evenly over a Bunsen burner or in a glass oven while applying pressure and are ideal for fiber optic imaging. Fiber Optic Image Conduits' coherent arrangement of fibers relays images. The conduits are available in standard or high resolution, in a variety of different lengths.

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