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25.4mm High Resolution Image Conduit with 12µm Fibers



Stock #53-839 **2 In Stock**

MRP ₹17,735

Price inclusive of all taxes

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Qty 1-4	₹17,735 each
Qty 5-24	₹15,611 each
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General

High-Resolution **Type:**
100.00 **Packing Fraction (%):**

Physical & Mechanical Properties

12.8 **Minimum Bend Radius (mm):**
Diameter Tolerance (inches):

±0.010

Length (mm):

25.40

Number of Fibers:

50419.00

Outer Diameter (mm):

3.20

Length Tolerance (inches):

±0.030

Optical Properties

Numerical Aperture NA:

0.55

Resolution:

42 lp/mm

Transmission (%):

35 - 45

Fiber Diameter (µm):

12.00

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
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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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.