![Edmund Optics | worldwide]

250µm with 1 Fiber, Optical Grade Plastic Light Guide
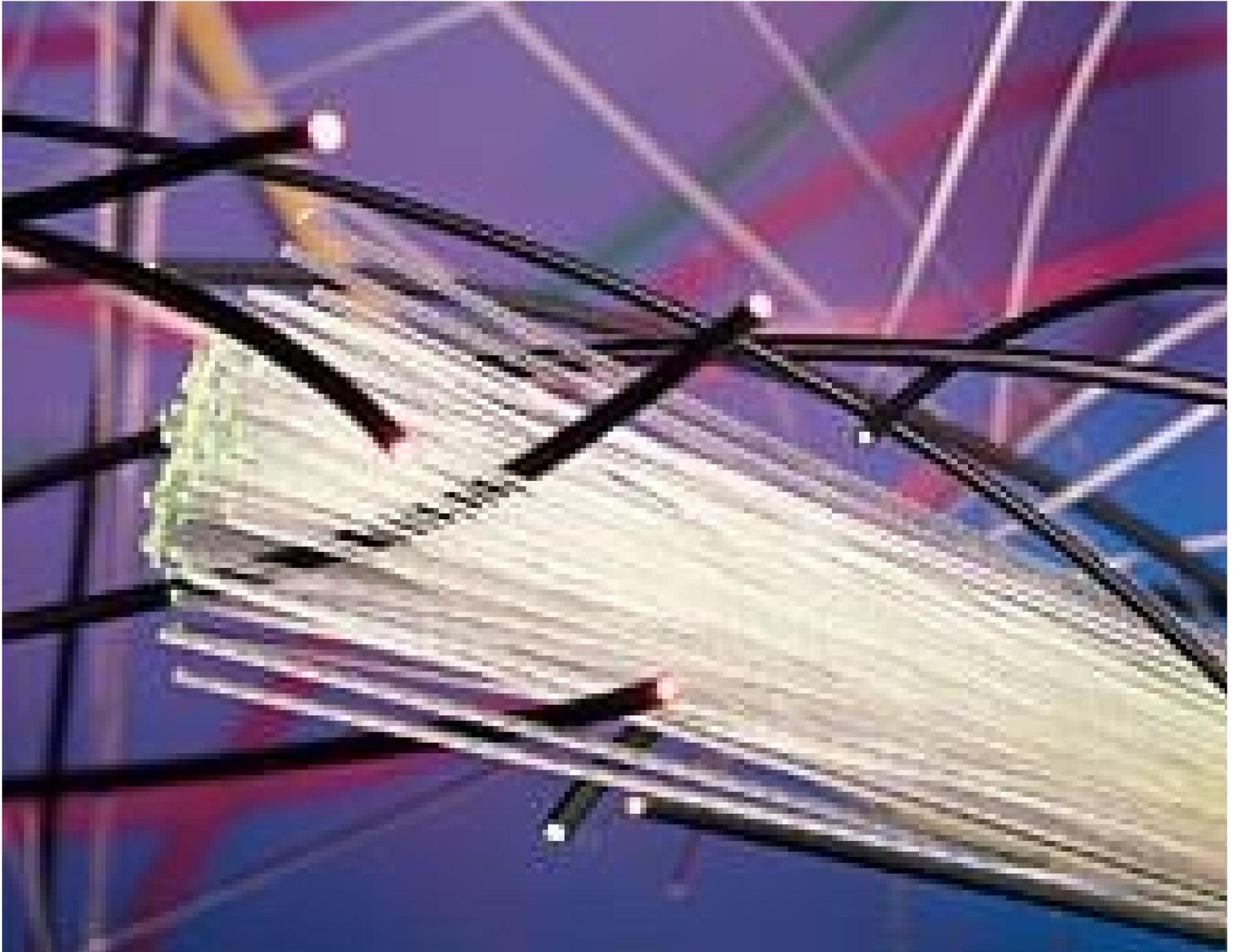
Stock **#57-096**   **20+ In Stock**

(-)   1   (+)   £1⁴⁰

£1^{40}

ADD TO CART

Volume Pricing	
Qty 1+	**£1.40** each
Need More?	Request Quote

⬤ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

	Note:
Minimum Purchase is 10ft or Qty = 10	

Physical & Mechanical Properties

	Minimum Bend Radius (mm):
25.00	

	Number of Fibers:
1.00	

	Outer Diameter (mm):
1.0	

	Core Diameter (µm):
240.00	
	Length (ft):
Cut to Order, Minimum 10	
Black Polyethylene Jacket	Construction:
	Diameter Tolerance (%):
±6	

Optical Properties

	Acceptance Angle (°):
61.00	
	Substrate: ☐
Acrylic	
	Attenuation (dB/m):
0.73	
	Numerical Aperture NA:
0.51	
	Fiber Diameter (µm):
250.00	
	Index of Refraction (n_d) - Core:
1.492	
	Index of Refraction (n_d) - Cladding:
1.402	
	Attenuation (dB/km):
150 - 300 (@ 650nm)	
	Numerical Aperture (NA) Tolerance:
±0.03	

Environmental & Durability Factors

	Operating Temperature (°C):
-55 to +70	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 240:
Compliant	

Product Details

- Superior Light Transmission
- ESKA® Fiber Strands
- Step Index

Optical Grade Fiber Optics, developed and manufactured by Mitsubishi, are offered in two grades, both with superior optical properties for improved transmission. The core of both is made of acrylic polymer PMMA (polymethyl-methacrylate) and is sheathed with a particular thin layer of fluorine polymer which has a lower refractive index than the fiber core. Optical Grade Fiber Optics are designed to provide higher transmission in the visible region of the spectrum. They can be used for a wide range of applications, from general industrial light guides to short-distance data transmission. The fiber is tough and flexible but is not designed to bear loads.

Note: Price listed is per foot - minimum order is 10 feet per stock number. 3mm Fiber is lower grade Eska® fiber for commercial applications only.

Technical Information

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