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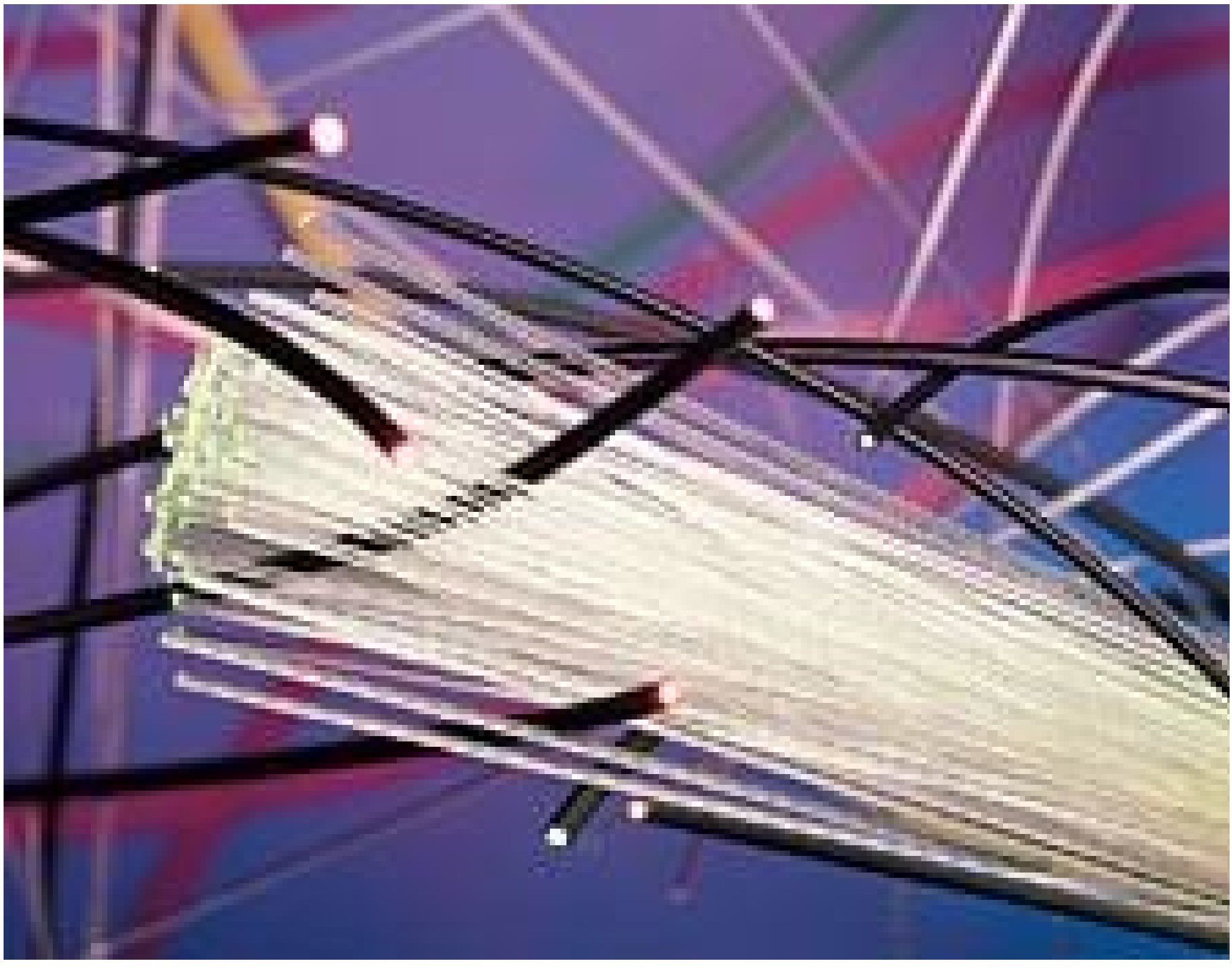
3000µm, Optical Grade Plastic Optical Fiber Unjacketed



Stock **#53-833** **20+ In Stock**

- 1 + A$7.60

ADD TO CART

Volume Pricing	
Qty 1+	**A$7.60** each
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Product Downloads

Physical & Mechanical Properties

Minimum Bend Radius (mm):
75.00

Number of Fibers:
1.00

Outer Diameter (mm):
3.0

Core Diameter (µm):
2950.00

Length (ft):
Cut to Order, Minimum 10

Construction:
Unjacketed

Diameter Tolerance (%):
±6

Optical Properties

Acceptance Angle (°):
60.00

Substrate:
Acrylic

Attenuation (dB/m):
0.20

Numerical Aperture NA:
0.50

Fiber Diameter (µm):
3000.00

Index of Refraction (n_d) - Core:
1.49

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

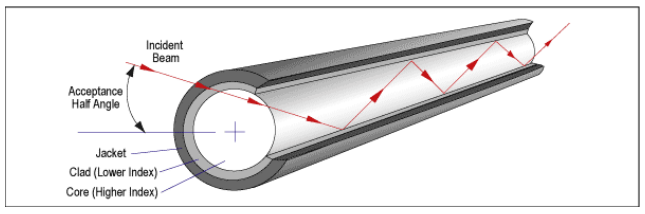
Product Details

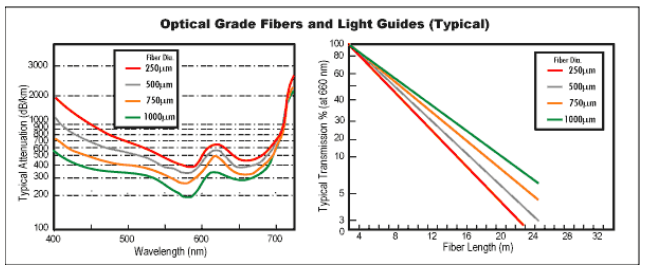
Price listed is per foot - minimum order is 10 feet per stock number. 3mm Fiber is lower grade Eska® fiber for commercial applications only.

- 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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