



FPV Drone Optical Fiber 0.5mm G.657.A2 3km 5km 10km

Basic Information

- Place of Origin: GUANGZHOU
- Brand Name: PUNAISGD
- Model Number: FPV DRONE OPTICAL FIBER
- Minimum Order Quantity: 5km/10km
- Price: negotiate
- Packaging Details: Spool
- Delivery Time: 7DAYS
- Payment Terms: T/T
- Supply Ability: 100000KM



Product Specification

- Highlight: 5km FPV Drone Optical Fiber,
10km FPV Drone Optical Fiber,
3km FPV Drone Optical Fiber



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Product Description

FPV Drone Optical Fiber 0.5mm Fiber with 3km, 5km, and 10km Options

Product Overview

High-performance FPV fiber optic communications cable designed for drone applications, available in multiple length options with superior optical characteristics.

Key Features

Available in 0.4mm, 0.43mm, 0.38mm, and 0.35mm invisible tight buffer fiber options

Simplex core compliant with G.657.A2 standard

High tensile strength: 60N

Compact dimensions: 110mm diameter × 310mm length



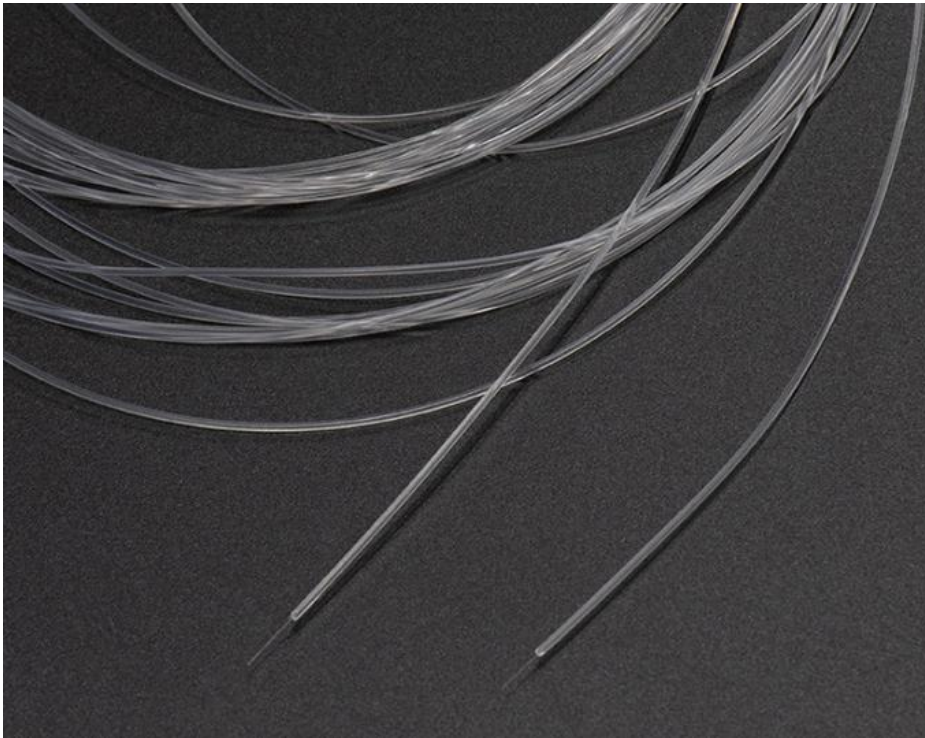


Fiber Specifications

Parameter	Wavelength	Unit	Specification (G.657A2)
Mode Field Diameter	1310nm	μm	8.8±0.4
Mode Field Diameter	1550nm	μm	9.8±0.5
Cladding Diameter	-	μm	125±0.7
Cladding Non-Circularity	-	%	≤0.7
Core-Cladding Concentricity Error	-	μm	≤0.5
Coating Diameter	-	μm	245±5
Coating Non-Circularity	-	%	≤6.0
Cladding-Coating Concentricity Error	-	μm	≤12.0
Cable Cutoff Wavelength	-	nm	$\lambda_{cc} \leq 1260$
Attenuation (max.)	1310nm	dB/km	≤0.35
Attenuation (max.)	1550nm	dB/km	≤0.21
Macro-Bending Loss	1turn×7.5mm radius @1550nm	dB	≤0.2
Macro-Bending Loss	1turn×7.5mm radius @1625nm	dB	≤0.5

Cable Specifications

Parameter	Specification
Fiber count	1
Tight-Buffer Diameter	0.4±0.01mm
Tight-Buffer Material	PVC (Transparent)





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