

# Plastic Optical Fiber

## Applications :

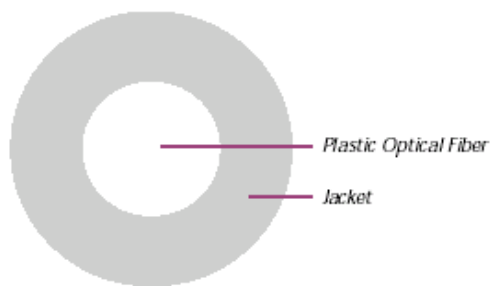
- ◇ Data Communications
- ◇ Light Guide
- ◇ Optical Sensor
- ◇ Image Transmission
- ◇ Electric Appliances
- ◇ Signs & Displays

## Advantages/Features :

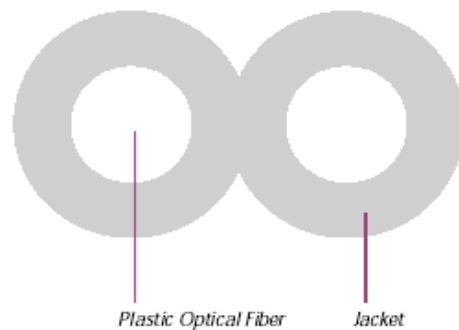
- ◇ Superior Durability & Flexibility
- ◇ Ease of Handling, Connection and Safe
- ◇ Low Cost / High Bandwidth
- ◇ Free of Electric Magnetic Interference (EMI) Problem

## Constructions

### Simplex



### Duplex



Mechanical Properties		Simplex	Duplex
	Core	Polymethyl Methacrylate (PMMA)	
Material	Cladding	Fluorinated Polymer	
	Jacket	Black PE	
Bare Fiber Diameter, um		1000 +/- 60	
Buffered Fiber Diameter, mm		2.2 +/- 0.07	(2.2 +/- 0.07) x (4.6 +/- 0.2)
Fiber Count		1	2
Index Profile		Step Index	
Numerical Aperture (N.A.)		0.50	
Acceptance Angle, degree		60	
Attenuation, dB/m @650nm		Under 0.25	
Allowable Bending Radius, mm		Min. 25	
Available Temperature Range		-20 ~ +70 °C	

Other Colored Buffer is available upon request. Final specification for sales is to be discussed between FiTek and Customer.



FiTek Photonics Corporation

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