

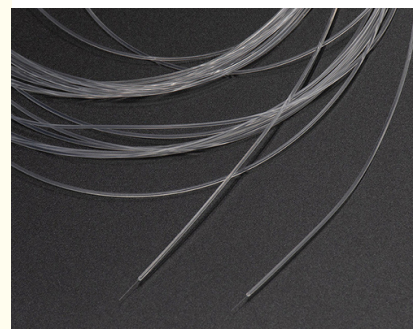


## 10km Drones Bare Optical Fiber 0.4mm/0.43mm Tight-buffered SM Single Mode Invisible Optical Fiber Bare For Communication

Our Product Introduction

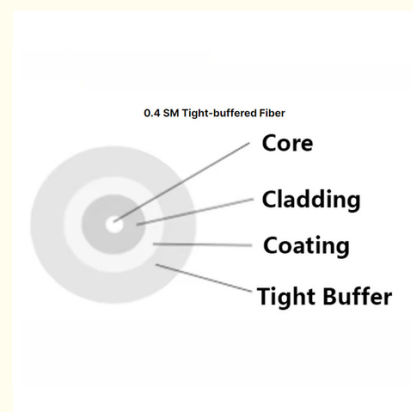
### Basic Information

- Place of Origin: GUANGZHOU
- Brand Name: PUNAISGD
- Model Number: YXGX01
- Minimum Order Quantity: 10km
- Price: negotiate
- Packaging Details: Spool
- Delivery Time: 7DAYS
- Payment Terms: T/T
- Supply Ability: 100000KM

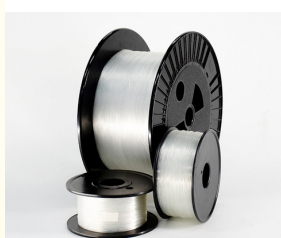


### Product Specification

- Application: Drone /Optical Fiber For UAV/communication
- Fiber Type: G657A2
- Color: Transparent
- Highlight: 10km Drones Bare Optical Fiber,  
0.43mm Drones Bare Optical Fiber



### More Images

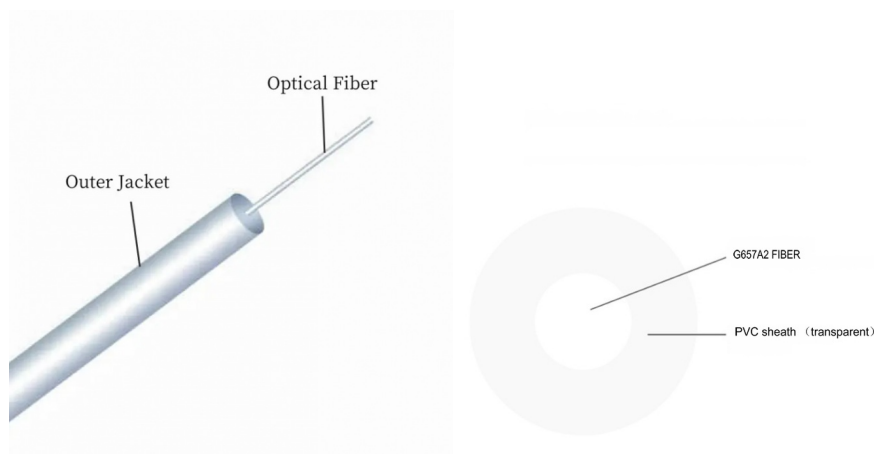


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## Product Description

### 10km Drones Bare Optical Fiber 0.4mm/0.43mm Tight-buffered SM Single Mode invisible Fibre Bare Optical Fiber for Communication

|             |                                |            |                            |
|-------------|--------------------------------|------------|----------------------------|
| item name   | drone bare fiber cable         | item color | transparent                |
| fiber type  | G657A2                         | DIAMETER   | 0.4MM/0.43MM/0.38MM/0.35MM |
| TENSILE     | 60N                            | length     | 10km                       |
| application | For drones, for communications |            |                            |



#### Fiber Parameters

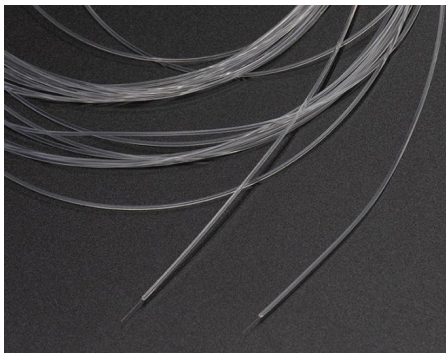
| No. |                                      |                            | Items | Unit                  | Specification |
|-----|--------------------------------------|----------------------------|-------|-----------------------|---------------|
|     |                                      |                            |       |                       | G.657A2       |
| 1   | Mode Field Diameter                  | 1310nm                     | μm    | 8.8±0.4               |               |
|     |                                      | 1550nm                     | μm    | 9.8±0.5               |               |
| 2   | Cladding Diameter                    |                            | μm    | 125±0.7               |               |
| 3   | Cladding Non-Circularity             |                            | %     | ≤0.7                  |               |
| 4   | Core-Cladding Concentricity Error    |                            | μm    | ≤0.5                  |               |
| 5   | Coating Diameter                     |                            | μm    | 245±5                 |               |
| 6   | Coating Non-Circularity              |                            | %     | ≤6.0                  |               |
| 7   | Cladding-Coating Concentricity Error |                            | μm    | ≤12.0                 |               |
| 8   | Cable Cutoff Wavelength              |                            | nm    | λ <sub>cc</sub> ≤1260 |               |
| 9   | Attenuation(max.)                    | 1310nm                     | dB/km | ≤0.35                 |               |
|     |                                      | 1550nm                     | dB/km | ≤0.21                 |               |
| 10  | Macro-Bending Loss                   | 1turn×7.5mm radius @1550nm | dB    | ≤0.2                  |               |
|     |                                      | 1turn×7.5mm radius @1625nm | dB    | ≤0.5                  |               |

#### Cable Parameters

| Items        |          | Specifications |
|--------------|----------|----------------|
| Fiber count  |          | 1              |
| Tight-Buffer | Diameter | 0.4±0.01mm     |
|              | Material | PVC            |
|              | Material | Transparent    |

#### Mechanical and Environmental Characteristics

| Items                     | Unit | Specifications |
|---------------------------|------|----------------|
| Min. Bend Radius(Dynamic) | mm   | 20D            |
| Min. Bend Radius(Static)  | mm   | 10D            |
| Working temperature       |      | -20~60         |
| Storage temperature       |      | -20~60         |



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