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|  **Invisible fiber optic cable**  |
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|
| Specifications of GJI  |
| 1、Cross Section（cable） |
| Sketch map | No. | Parts | Spec | Remark  |
| schematic diagram of cable structureWeChat2710d62bd1778fa03202ebf60fd1f05e | 1 | tight buffered | Φ0.9mm（±0.05mm） | 1 fiber，Nature |
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| 2 | tight buffered sheath material | PA12，nature | —— |
| 3 | weight（kg/km）（approx.） | 0.7kg | —— |

Characteristic of Optical Cable

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| item | Specifications |
| Min Bend Radius | 2.5mm |
| Operation temperature | -5℃~+50℃ |
| Installation temperature | -5℃~+60℃ |
| Storage temperature | -10℃~+60℃ |

Main mechanical & environmental performance test

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|  Item | test methodme | Test requirements |
| Tension | Test method: IEC 60794-1-2-E1 Long-term pull: 5N Short term pull: 10N  | The strain of optical fiber is less than 0.3% and the strain of optical cable is less than 0.3% under the long-term 10N tension. Fiber strain ≤0.6% at 50N tension;  |
| Crush | Test method :IEC 60794-1-2-E3 Long-term: 300N/100mmShort term: 1000N/100mmTimes: 3; Interval length: 500mm  | In the middle and long term during the test process loss variation ≤0.1dB; Loss variation ≤0.1dB after 5 minutes of short-term test; The optical fiber does not break and the sheath does not crack. |

Peeling force of invisible optical cables

(1) Test method: Using the testing equipment and methods specified in 5.2.2 of TD/T 1258.1-2015;

(2) Peel depth: Peel to the fiber cladding and keep the cladding intact;

(3) Sample length: 500mm;

 (4) Test step: The optical cable is fixed to the stripping tool and tension machine through the guide hole on the stripping tool, and then pulled

Tear test with a force machine at a peeling rate of 500mm/min;

Stripping length: 15mm ± 1.5mm; (6) Qualification criteria: When the test result is 10N-25N, it is considered qualified.

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| 3、Optical Characteristics |
| Type of Fible | G657B3 |
| Attenuation in cable （after cable） | 0.4dB/km @1310nm 0.3dB/km @1550nm |

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| 4、Else |
|  Sheath Color |  Nature |
| The length of delivery | According to the customer |

Packaging information

Packaging: Fiber optic disc, 2km/reel

Net weight: 1.4kg/reel

Gross weight: 2.1kg/reel

Packing: 6 reels/box

Carton: 500mm \* 360mm \* 250mm（L\*W\*H）

**Optical fiber characteristics （G.657B3 FIBER）**



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