|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Invisible fiber optic cable** | | | | |
|
|
| Specifications of GJI | | | | |
| 1、Cross Section（cable） | | | | |
| Sketch map | No. | Parts | Spec | Remark |
| schematic diagram of cable structure  WeChat2710d62bd1778fa03202ebf60fd1f05e | 1 | tight buffered | Φ0.9mm（±0.05mm） | 1 fiber，Nature |
|
|
| 2 | tight buffered sheath material | PA12，nature | —— |
| 3 | weight（kg/km） （approx.） | 0.7kg | —— |

Characteristic of Optical Cable

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

Main mechanical & environmental performance test

|  |  |  |
| --- | --- | --- |
| 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/100mm  Short term: 1000N/100mm  Times: 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.

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

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

Packaging information

Packaging: Fiber optic disc, 2km/reel

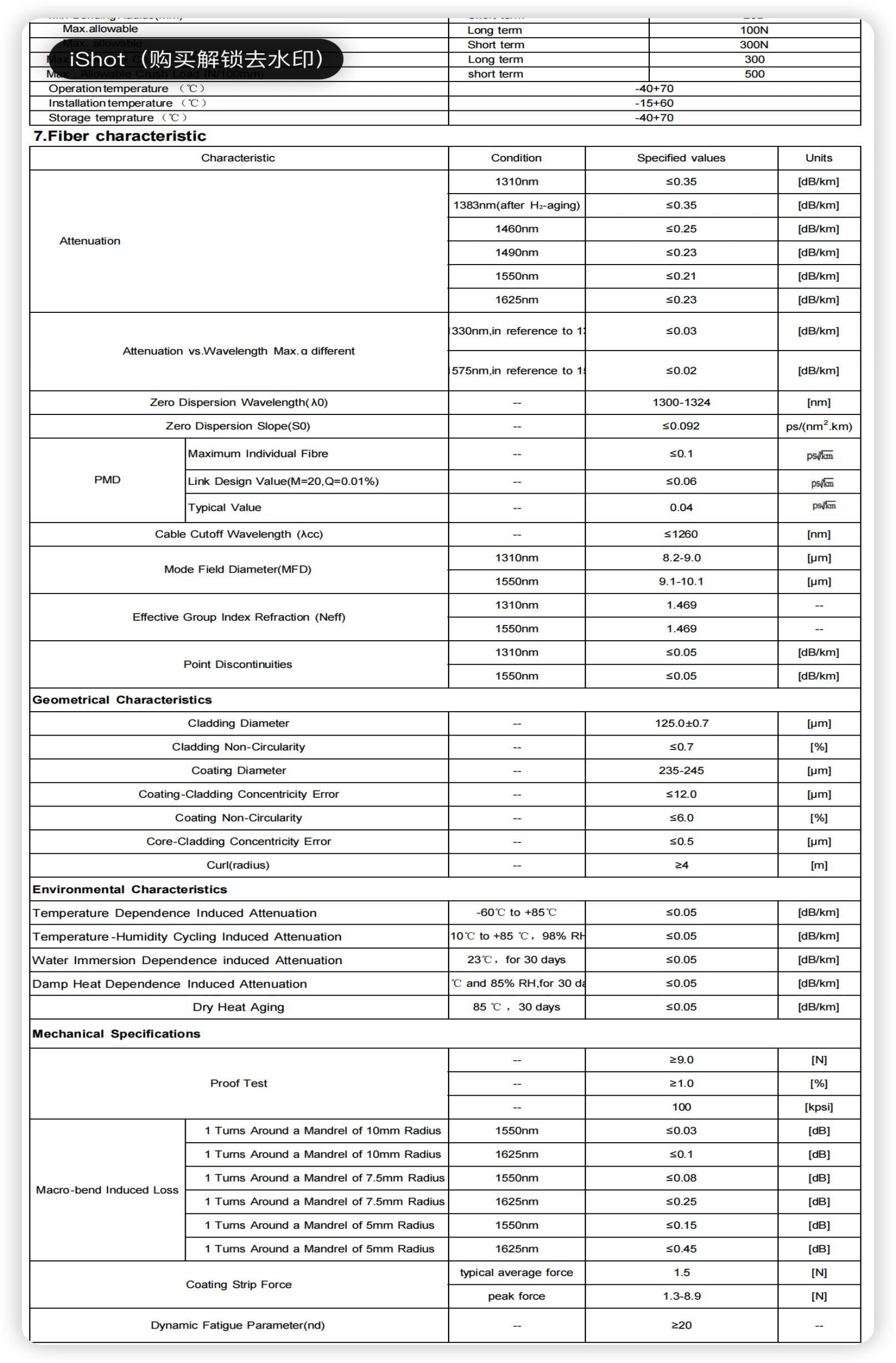
Net weight: 1.4kg/reel

Gross weight: 2.1kg/reel

Packing: 6 reels/box

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

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



-