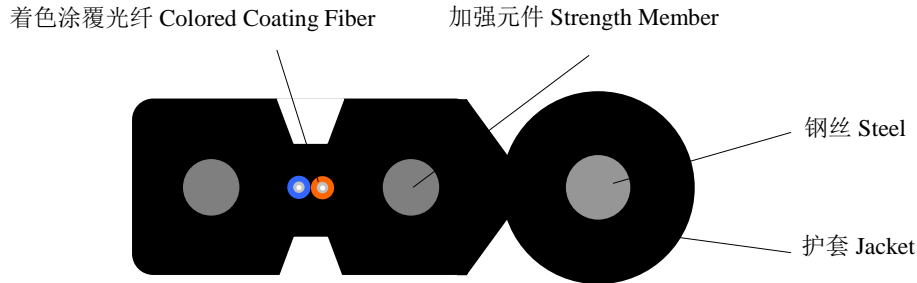


## 2-Fiber Self-Supporting Bow-type Drop Cable



### Fiber Parameters

| 编号 No. | 项目 Items   |                           | 单位 Unit | 参数 Specification         |
|--------|--|---------------------------|---------|--------------------------|
|        |  |                           |         | G.657A1                  |
| 1      | 模场直径 Mode Field Diameter                         | 1310nm                    | μm      | 9.0±0.4                  |
|        |  | 1550nm                    | μm      | 10.1±0.5                 |
| 2      | 包层直径 Cladding Diameter                           |                           | μm      | 124.8±0.7                |
| 3      | 包层不圆度 Cladding Non-Circularity                   |                           | %       | ≤0.7                     |
| 4      | 芯/包层同心度误差 Core-Cladding Concentricity Error      |                           | μm      | ≤0.5                     |
| 5      | 涂覆层直径 Coating Diameter                           |                           | μm      | 245±5                    |
| 6      | 涂覆层不圆度 Coating Non-Circularity                   |                           | %       | ≤6.0                     |
| 7      | 包层/涂覆层同心度误差 Cladding-Coating Concentricity Error |                           | μm      | ≤12.0                    |
| 8      | 光缆截止波长 Cable Cutoff Wavelength                   |                           | nm      | $\lambda_{cc} \leq 1260$ |
| 9      | 衰减系数 Attenuation(max.)                           | 1310nm                    | dB/km   | ≤0.4                     |
|        |  | 1550nm                    | dB/km   | ≤0.3                     |
| 10     | 宏弯附加衰减 Macro-Bending Loss                        | 1turn×10mm radius @1550nm | dB      | ≤0.75                    |
|        |  | 1turn×10mm radius @1625nm | dB      | ≤1.5                     |

### Cable Parameters

| 项目 Items                        |              | 指标 Specifications                        |
|---------------------------------|--------------|--|
| 光纤芯数 Fiber Count                |              | 2  |
| 着色涂覆光纤<br>Colored Coating Fiber | 外径 Dimension | 250 $\mu$ m $\pm$ 15 $\mu$ m             |
|                                 | 颜色 Color     | 蓝 Blue & 橙 Orange                        |
| 加强元件<br>Strength Member         | 外径 Dimension | 0.45mm                                   |
|                                 | 材料 Material  | 钢丝 Steel                                 |
| 自承元件<br>Self-Supporting Member  | 外径 Dimension | 1.0mm                                    |
|                                 | 材料 Material  | 钢丝 Steel                                 |
| 护套<br>Jacket                    | 外径 Dimension | 5.2 $\pm$ 0.2mm $\times$ 2.0 $\pm$ 0.1mm |
|                                 | 材料 Material  | LSZH                                     |
|                                 | 颜色 Color     | 黑或白 Black or White                       |

## Mechanical and Environmental Characteristics

| 项目 Items                             | 单位 Unite | 参数值 Specifications |
|--------------------------------------|----------|--------------------|
| 拉伸（长期） Tension（Long Term）            | N        | 420                |
| 拉伸（短期） Tension（Short Term）           | N        | 840                |
| 压扁（长期） Crush（Long Term）              | N/10cm   | 1000               |
| 压扁（短期） Crush（Short Term）             | N/10cm   | 2200               |
| 最小弯曲半径（动态） Min. Bend Radius（Dynamic） | mm       | 30                 |
| 最小弯曲半径（静态） Min. Bend Radius（Static）  | mm       | 15                 |
| 安装温度 Installation Temperature        | °C       | -20~+60            |
| 工作温度 Operating Temperature           | °C       | -40~+70            |
| 储存温度 Storage Temperature             | °C       | -40~+70            |

## Package and Shipping Mark

### Printing at out jacket of optical cable

White color printing words at each meter distance, standard printing content as following, also can customized printing as per customer's requirements.

- 1) Meter mark
- 2) Style of optical cable and fiber account
- 3) Manufacturer name
- 4) Manufacturer date
- 5) Package of optical cable
  - Standard length is 2KM per drum, other length requirements is acceptable.
  - Can be packed in wooden drum or plywood drum

### Wooden drum

Label will be stucked at wooden drum, content as follow

- 1) Style of optical cable and fiber account
- 2) Length
- 3) Gross weight KGS

- 4) Total drums amount
- 5) Manufacturer date
- 6) The following information also will be exposed at the wooden drum
  - Rolling direction
  - Optical cable rolling tightly with the wooden drum, in order to prevent it will be broken during transportation.

### **For More Information:**

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