# Technical Specification

# for 0.9mm SM Simplex Pigtail

（G657A1,**LZSH**）

## 1 SCOPE

1.1 This specification in comply with the national standards and the industrial standards.

1.2 This specification is made according to the company's actual production and service condition.

1.3 This specification covers the minimum standards and requirements for the construction, properties and testing of the 0.9mm simplex pigtail.

## 2 REFERENCES

### 2.1 General References

Table 1 General Reference

| Document | Document Title |
|---|---|
| IEC 61754-20 | Optical Fiber Connector Part 20:Type LC connector family |
| IEC 61754-4 | Optical Fiber Connector Part 4:Type SC connector family |
| IEC-61754-13 | Optical Fiber Connector Part13：Type FC connector family |

## 3 OPTICAL CABLE

### 3.1 Single Mode, Simplex Optical Cable

Table 2 Technical Performance of Simplex Optical Cable

| Items | Requirements |
|---|---|
| Optical Fiber | G657A1 |
| Cable Diameter（mm） | 0.9 |
| Tight buffered material/color | LZSH/White |

### 3.2 Assembly Parts Technical Requirements

Table 3 Assembly parts Technical Requirements

| Type | Bend Protector Diameter | Boot Color | Connector Case Color | Dust Cap |
|---|---|---|---|---|
| SC/UPC | 0.9 | Blue | Blue | Translucent |
| SC/APC | 0.9 | Green | Green | Translucent |
| Remark: appearance: no deformation, crack, scratch, flaw, stain, looseness and burr | | | | |

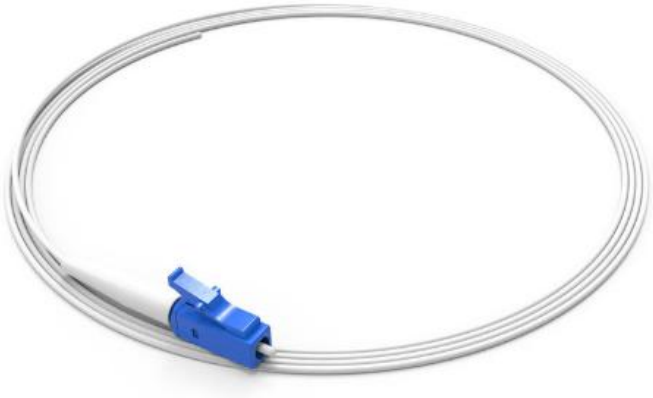
# 4 TECHNICAL REQUIREMENTS

## 4.1 Technical Performance

Table 4 Finished Product Technical Performance

| Specifications | | |
|---|---|---|
| Properties | Unit | Requirements |
| Insertion Loss | dB | Max:≤0.3 |
| Return Loss | dB | UPC≥50;APC≥60 |
| Attenuation | dB | ≤0.3 |

# 5 PRODUCT PICTURE



SC/UPC Picture for reference