

## MAIN STRUCTURE



## DESCRIPTION:

Insheild offers a wide range of pigtails; Single Mode fiber pigtails are available in a variety of colors to complement any network, this pigtail features typical 900µm tight buffered cables as default. Its comprises of singlemode OS1 and OS2 (9/125). Available in simplex and duplex with various connectors types ST, SC, LC, FC, E2000, SMA, MTRJ, and More In UPC or APC Color jackets, 2mm or 3mm and Fan-Out available on request.

## FEATURES

1. Each pigtail Supplied with test certificate and optical results
2. 100% optically tested in factory
3. Cable Outer Jackets are available in Riser (OFNR), Low Smoke Zero Halogen (LSZH, Plenum (OFNP).
4. Available in Multimode OS1 and OS2 (62.5/125, 50/125)
5. Low insertion loss and back reflection.
6. 900 µm tight buffer or easy strip
7. APC type connectors are available
8. Color connector boot for easy identification
9. RoHS and REACH materials compliant.

## APPLICATION

- Datacenter applications
- Telecommunication networks
- LAN, MAN and WAN application
- Data processing networks
- CATV - Cable television
- Fiber-To-The-Home (FTTH)
- Premises distribution

## STANDARDS

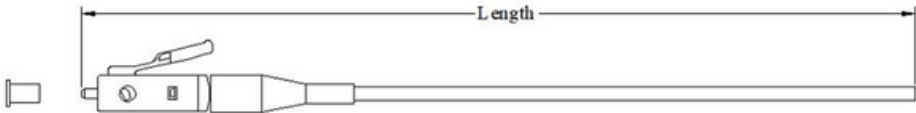
- ANSI/TIA-568-C.3
- ISO/IEC 11801 2nd Ed
- ITU-T G.651D compliant
- EN 50173
- IEC 61754-20

TECHNICAL DATA

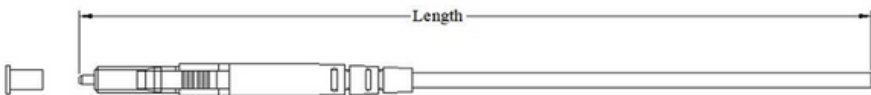
| Technical Parameters               |     | VALUE/VALUE RANGE                                           |         |         |         |         |
|------------------------------------|-----|-------------------------------------------------------------|---------|---------|---------|---------|
| Connector Types                    |     | ST                                                          | LC      | SC      | FC      | MTRJ    |
| Insertion Loss (Typical dB)        |     | ≤0.3                                                        | ≤0.3    | ≤0.3    | ≤0.3    | ≤0.3    |
| Return Loss dB                     | PC  | ≥40                                                         | ≥40     | ≥40     | ≥40     | ≥40     |
|                                    | UPC | ≥50                                                         | ≥50     | ≥50     | ≥50     | ≥50     |
|                                    | APC | ≥60                                                         | ≥60     | ≥60     | ≥60     | ≥60     |
| Interchange Capability 1000 Times  |     | <0.1dB                                                      | <0.1dB  | <0.1dB  | <0.1dB  | <0.1dB  |
| Cable type                         |     | Pigtail                                                     |         |         |         |         |
| Cable jacket characteristics       |     | Cable, metal-free Zero-halogen                              |         |         |         |         |
| Mechanical Endurance (500T) dB     |     | ≤0.2 dB                                                     | ≤0.2 dB | ≤0.2 dB | ≤0.2 dB | ≤0.2 dB |
| Fiber type                         |     | Singlemode (9/125) - OS1/                                   |         |         |         |         |
| Fiber class                        |     | IN52D (OS1,OS2), IN55, IN57A1/A2, IN57B2                    |         |         |         |         |
| Operating Temperature °C           |     | -40°C ~ +75 °C                                              |         |         |         |         |
| Storage Temperature °C             |     | -40 °C ~ +85 °C                                             |         |         |         |         |
| Cable Outer jacket characteristics |     | Riser (OFNR), Low Smoke Zero Halogen (LSZH), Plenum (OFNP). |         |         |         |         |
| Polishing plug (A)                 |     | UPC, PC,APC                                                 |         |         |         |         |
| Cable Diameter                     |     | Cable overall diameter Ø 0.9 mm                             |         |         |         |         |

TECHNICAL DRAWING

1. LC 0.9MM SIMPLEX PIGTAIL



2. LC 2.0MM&3.0MM SIMPLEX PIGTAIL



ORDERING INFORMATION

| Description        | Description                                    |
|--------------------|------------------------------------------------|
| IN-SC-09-UPC-X-Y   | SC 9/125 UPC Single Mode Fiber Optic Pigtail   |
| IN-SC-09-APC-X-Y   | SC 9/125 APC Single Mode Fiber Optic Pigtail   |
| IN-SC-09-PC-X-Y    | SC 9/125 PC Single Mode Fiber Optic Pigtail    |
| IN-LC-09-UPC-X-Y   | LC 9/125 UPC Single Mode Fiber Optic Pigtail   |
| IN-LC-09-APC-X-Y   | LC 9/125 APC Single Mode Fiber Optic Pigtail   |
| IN-LC-09-PC-X-Y    | LC 9/125 PC Single Mode Fiber Optic Pigtail    |
| IN-STC-09-UPC-X-Y  | ST 9/125 UPC Single Mode Fiber Optic Pigtail   |
| IN-STC-09-APC-X-Y  | ST 9/125 APC Single Mode Fiber Optic Pigtail   |
| IN-STC-09-PC-X-Y   | ST 9/125 PC Single Mode Fiber Optic Pigtail    |
| IN-FC-09-UPC-X-Y   | FC 9/125 UPC Single Mode Fiber Optic Pigtail   |
| IN-FC-09-APC-X-Y   | FC 9/125 APC Single Mode Fiber Optic Pigtail   |
| IN-FC-09-PC-X-Y    | FC 9/125 PC Single Mode Fiber Optic Pigtail    |
| IN-MTRJ-09-UPC-X-Y | MTRJ 9/125 UPC Single Mode Fiber Optic Pigtail |
| IN-MTRJ-09-APC-X-Y | MTRJ 9/125 APC Single Mode Fiber Optic Pigtail |
| IN-MTRJ-09-PC-X-Y  | MTRJ 9/125 PC Single Mode Fiber Optic Pigtail  |

X (LENGTH)-A1- 1M, A2- 1.5M, A3- 2M, A4- 2.5M, A4- 3M  
Y (COLOR) - B1- YELLOW, B2-WHITE