

Optical Fiber

FP03 Series



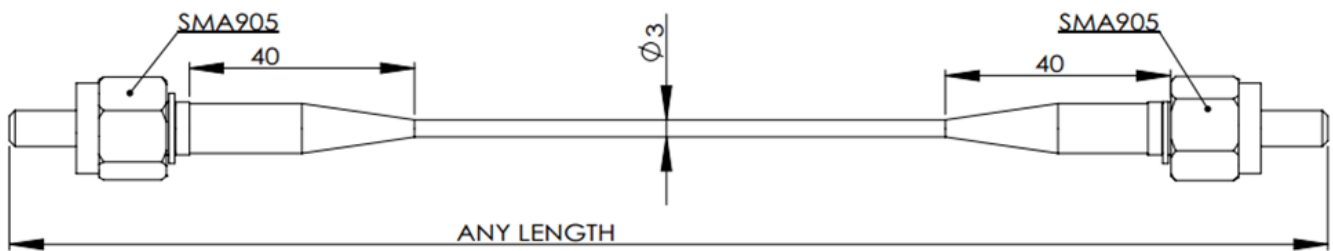
Features

- Silica fiber
- High precision
- High stability

Applications

- Advanced Manufacturing
- Health
- Information Technology
- Scientific Research

Product Dimensions (mm)



Remark: The structure drawing is for reference only. Please feel free to contact us for any special requirements.

Product Specifications

| | |
|-----------------------|---|
| Product Code | FPC000016 ² |
| Part No. ¹ | FL-FP03-SH/SF-200/220-0.22-N-1.5m-(790-990AR) |

| Optical Data | Unit | |
|--------------------------------------|------|-----------------------------|
| Core Diameter | μm | 200 |
| Cladding Diameter | μm | 220 |
| NA | | 0.22 |
| Strip Wound Hose | | Φ3mm, PVC |
| Connector | | SMA905 (SH/SF) ⁴ |
| Eccentricity (fiber core to ferrule) | μm | < 10 |
| Minimal Bending Radius (long term) | mm | 44 |
| Optical Wavelength | nm | 790-990 |
| Optical Transmittance | % | ≥99 |
| Operation Power | W | ≤30 |
| Operation Temp. | °C | 20-30 |
| Storage Temp. | °C | 5-70 |
| Length ³ | m | 1.5±0.1 |

| | | |
|-----------------------|-----------------------------------|--|
| Product Code | FPC000018 ² | FPC000017 ² |
| Part No. ¹ | FL-FP03-SH/SF-400/440-0.22-S-1.5m | FL-FP03-SH/SF-400/440-0.22-S-1.5m(790-990AR) |

| Fiber connection | Unit | Value | |
|--------------------------------------|------|-----------------------------|-----------------------------|
| Core Diameter | μm | 400 | 400 |
| Cladding Diameter | μm | 440 | 440 |
| NA | | 0.22 | 0.22 |
| Strip Wound Hose | | Φ3mm, PVC | Φ3mm, PVC |
| Connector | | SMA905 (SH/SF) ⁴ | SMA905 (SH/SF) ⁴ |
| Eccentricity (fiber core to ferrule) | μm | < 10 | < 10 |
| Minimal Bending Radius (long term) | mm | 88 | 88 |
| Optical Wavelength | nm | 800-1600 | 790-990 |
| Optical Transmittance | % | ≥95 | ≥99 |
| Operation Power | W | ≤30 | ≤30 |
| Operation Temp. | °C | 20-30 | 20-30 |
| Storage Temp. | °C | 5-70 | 5-70 |
| Length ³ | m | 1.5±0.1 | 1.5±0.1 |

¹ Part No. = Brand Code - Series - Connector - Core/Cladding - NA - Homogenization mode - Length - (Coating, where N = no coating).

² Typical customization of products.

³ Other customized lengths on request.

⁴ SH: air gap, SF: flat end.