

Splice Protection Sleeves

AFL offers a wide selection of fiber protection sleeves to meet any application. The FP series is the industry standard for durable and lasting protection of single fiber splices in field installations, while the FP-04(T) and FP-05 provide the same durable protection for 8 and 12 fiber ribbon respectively.

The FPS01 and FPS04 series are specially designed for optical components, where small packaging is a priority. These micro sleeves provide the known reliability of Fujikura sleeves in the smallest possible lengths. This easy and cost effective method is a great alternative to recoating. The FPS01 and FPS04 series offer a wide range of options to accommodate various coating sizes, and are manufactured in a variety of lengths. This gives great flexibility in designing optical modules.

Standard Sleeves: Dimensions & Applicable Fiber

SLEEVES FOR SINGLE FIBERS 250 MICRONS TO 900 MICRONS

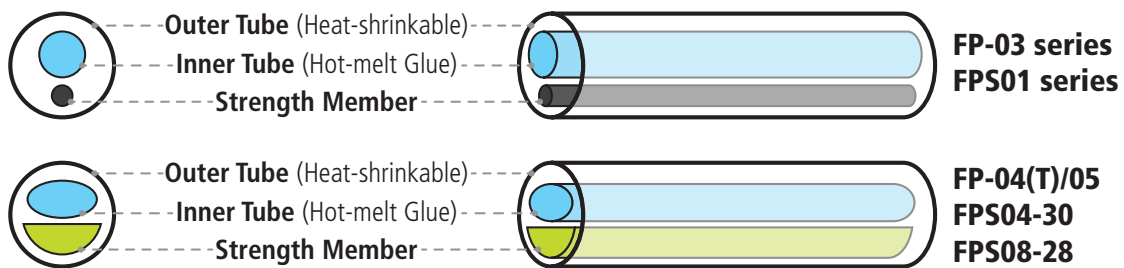
| DESCRIPTION | SLEEVE LENGTH | FIBER CLEAVE LENGTH | SLEEVE DIAMETER AFTER SHRINK | MOQ & MOM | AFL NO. |
|------------------------------|---------------|---------------------|------------------------------|-------------|---------|
| FP-40 Slim Protection Sleeve | 40 mm | 10 mm | 2.3 mm (max.) | 1,000 & 100 | S018262 |
| FP-60 Slim Protection Sleeve | 60 mm | 10 mm | 2.3 mm (max.) | 1,000 & 100 | S018263 |
| FP-60 | 60 mm | 10 mm | 3.1 mm (max.) | 1,000 & 100 | S015915 |
| FP-40 | 40 mm | 10 mm | 3.1 mm (max.) | 1,000 & 100 | S015916 |

SLEEVES FOR UP TO 250 MICRON COATED RIBBON

| DESCRIPTION | FIBER COUNT | SLEEVE LENGTH | FIBER CLEAVE LENGTH | SLEEVE DIAMETER AFTER SHRINK | MOQ & MOM | AFL NO. |
|-------------|-----------------|---------------|---------------------|------------------------------|-------------|---------|
| FP-04(T) | Up to 8 fibers | 40 mm | 10 mm | 4.0 mm (max.) | 250 & 250 | S002105 |
| FP-05 | Up to 12 fibers | 40 mm | 10 mm | 4.5 X 4.0 mm (max.) | 250 & 250 | S003027 |
| FP-05-28 | Up to 12 fibers | 28 mm | 10 mm | 4.5 mm (max.) | 5,000 & 250 | S014720 |
| FPS04-30 | Up to 4 fibers | 30 mm | 10 mm | 2.4 mm (max.) | 250 & 250 | S010848 |
| FPS08-28 | Up to 8 fibers | 28 mm | 10 mm | 3.3 X 2.7 mm (max.) | 500 & 500 | S013560 |
| FPS24-40 | Up to 24 fibers | 40 mm | 10 mm | 8.0 X 4.0 mm (max.) | 200 & 200 | S013004 |

Specifications

| PARAMETER | DESCRIPTION | VALUE |
|------------------------------------|--------------------|------------------------------------|
| Outer tube | FP-60/40/03 series | Polyolefin based on Polyethylene |
| | FPS-04(T) / FP-05 | Ethylene-Vinyl Acetate |
| Inner Tube | ALL | Ethylene-Vinyl Acetate |
| Strength member | FP-60/40/03 series | Stainless steel |
| | FP-04(T) / FP-05 | Heat-resistant glass |
| Operation condition (after shrink) | | -10 to 50°C, 0 to 95% RH (Non dew) |
| Storage condition (before shrink) | | -40 to 60°C, Non dew |



Splice Protection Sleeves

Micro Sleeves: Dimensions & Applicable Fiber

FPS01-400 SERIES FOR SINGLE FIBERS UP TO 400 MICRON FIBER

| DESCRIPTION | SLEEVE LENGTH | FIBER CLEAVE LENGTH | SLEEVE DIAMETER AFTER SHRINK | PACKAGING | AFL NO. |
|--------------|---------------|---------------------|------------------------------|-----------|---------|
| FPS01-400-12 | 12 mm | 4 mm | 1.5 mm | 50 Pack | S014088 |
| FPS01-400-15 | 15 mm | 5 mm | 1.5 mm | 50 Pack | S012668 |
| FPS01-400-20 | 20 mm | 8 mm | 1.5 mm | 50 Pack | S012672 |
| FPS01-400-25 | 25 mm | 10 mm | 1.5 mm | 50 Pack | S012676 |
| FPS01-400-34 | 34 mm | 15 mm | 1.5 mm | 50 Pack | S012680 |
| FPS01-400-40 | 40 mm | 16 mm | 1.5 mm | 1,250 Box | S011914 |

FPS01-900 SERIES FOR SINGLE FIBERS UP TO 900 MICRON FIBER

| DESCRIPTION | SLEEVE LENGTH | FIBER CLEAVE LENGTH | SLEEVE DIAMETER AFTER SHRINK | PACKAGING | AFL NO. |
|--------------|---------------|---------------------|------------------------------|-----------|---------|
| FPS01-900-15 | 15 mm | 4 mm | 2.3 mm | 50 Pack | S012684 |
| FPS01-900-20 | 20 mm | 6 mm | 2.3 mm | 50 Pack | S012688 |
| FPS01-900-25 | 25 mm | 6 mm | 2.3 mm | 50 Pack | S011954 |
| FPS01-900-34 | 34 mm | 13 mm | 2.3 mm | 50 Pack | S012692 |
| FPS01-900-45 | 45 mm | 16 mm | 2.3 mm | 50 Pack | S012696 |

Specifications

| PARAMETER | DESCRIPTION | VALUE |
|------------------------------------|---|------------------------------------|
| Outer tube | FPS01 series / FPS04-30 / FPS08-28 / FPS24-40 | Polyolefin based on Polyethylene |
| Inner Tube | ALL | Ethylene-Vinyl Acetate |
| Strength member | FPS01 series | Stainless steel |
| | FPS04-30 / FPS08-28 / FPS24-40 | Heat-resistant glass |
| Operation condition (after shrink) | | -10 to 50°C, 0 to 95% RH (Non dew) |
| Storage condition (before shrink) | | -40 to 60°C, Non dew |

Type Variations

| | | |
|----------|--------------|--------------|
| FP-60 | FPS01-400-12 | FPS01-900-15 |
| FP-40 | FPS01-400-15 | FPS01-900-20 |
| FP-04(T) | FPS01-400-20 | FPS01-900-25 |
| FP-05 | FPS01-400-25 | FPS01-900-34 |
| FPS04-30 | FPS01-400-34 | FPS01-900-45 |
| FPS08-28 | FPS01-400-40 | |
| FPS24-40 | | |

FULL SCALE

