

DATASHEET

Smouv Heatshrink Fiber Fusion Splice sleeve



OMC INDUSTRY CO.LIMITED

2018|En version1.0



Products Profit:

Special designed cross-linked Clear Heat Shrinkable tubing, with Clear fusion tubing liner, providing strength member and protection to fiber optical splices. Consist of a rod of stainless steel, hot fusion tubing and cross-linked polyolefin. To rebuild the coating of fiber, providing mechanical strength at the fusion joint area and keeping optical transmission properties.

Features:

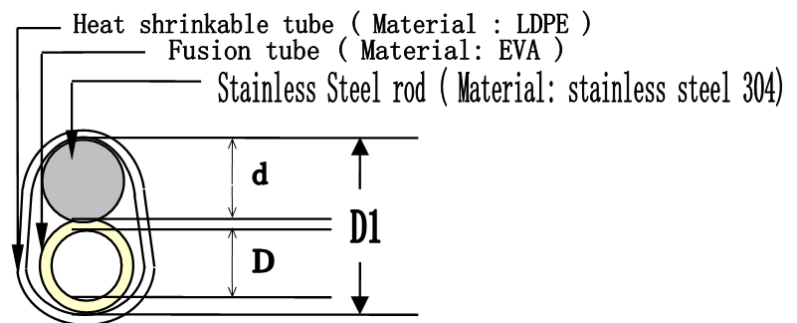
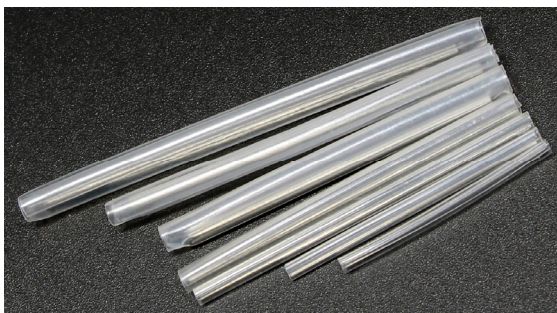
- Single holed (preshrunk) ends eliminates improper fiber threading
- Smooth stainless steel reinforcing member ends decrease the risk of fiber damage during installation
- Extended liner length prevents contact between the fiber and the backbone
- Clear sleeve design persign permits easy centering of splice before heating
- Sealing structure makes the splice free from effect of temperature and humidity from environment
- RoHS & REACH Compliant.
- Outer tube meets SAE AMS-DTL-23053/5 Class

Operating temperature range

Operating temperature: -45°C ~ 100°C / -45°C ~ 135°C

Minimum shrink temperature: 80°C

Minimum fully recovery temperature: 120°C



Configuration-Standard Sleeve

| Part Number | O.D. after Re-recovery (mm) | Length (mm) | Fusion tube(D) | | Steel rod(D) | | Package (pcs/bag) |
|------------------|-----------------------------|-------------|----------------|-------------|--------------|--------|-------------------|
| | | | I.D. (mm) | Length (mm) | O.D. (mm) | Length | |
| Standard Sleeves | | | | | | | |
| FOSP -61M | 2.6±0.1 | 60 | 1.3 | 60 | 1.2 | 56 | 100 |
| FOSP -45M | 2.6±0.1 | 45 | 1.3 | 45 | 1.2 | 41 | 100 |
| FOSP -40M | 2.6±0.1 | 40 | 1.3 | 40 | 1.2 | 36 | 100 |
| FOSP -30M | 2.6±0.1 | 30 | 1.3 | 30 | 1.2 | 26 | 100 |
| FOSP -25M | 2.6±0.1 | 25 | 1.3 | 23 | 1.2 | 21 | 100 |

Application

Bare fiber, 900um cable,
1.2-3.0mm Cable splice



Fusion Splicing

Fusion splices are made by "welding" the two fibers together usually by an electric arc.

Configuration-Special Sleeve

| Part Number | O.D. after Recovery (mm) | Length (mm) | Fusion tube(D) | | Steel rod(D) | | Package (pcs/bag) |
|----------------|--------------------------|-------------|----------------|-------------|--------------|-------------|-------------------|
| | | | I.D. (mm) | Length (mm) | O.D. (mm) | Length (mm) | |
| Larger Sleeves | | | | | | | |
| FOSP-61 | 3.0±0.1 | 60 | 1.5 | 61 | 1.5 | 56 | 100 |
| FOSP-60 | 3.0±0.1 | 60 | 1.5 | 60 | 1.5 | 55 | 100 |
| FOSP-60B | 2.8±0.1 | 60 | 1.3 | 60 | 1.5 | 56 | 100 |
| FOSP-45 | 3.0±0.1 | 45 | 1.5 | 45 | 1.5 | 41 | 100 |
| FOSP-40 | 3.0±0.1 | 40 | 1.5 | 40 | 1.5 | 36 | 100 |
| FOSP-23 | 3.0±0.1 | 23 | 1.5 | 23 | 1.5 | 18 | 100 |
| Mini Sleeves | | | | | | | |
| FOSP-40T-S | 1.5±0.1 | 40 | 0.5 | 40 | 0.7 | 39.5 | 100 |
| FOSP-40TS | 1.9±0.1 | 40 | 1.2 | 40 | 0.7 | 39.5 | 100 |
| FOSP-60T | 2.0±0.1 | 60 | 0.5 | 60 | 1.0 | 56 | 100 |
| FOSP-40T | 2.0±0.1 | 40 | 0.5 | 40 | 1.0 | 36 | 100 |
| FOSP-60A | 2.4±0.1 | 60 | 1.4 | 60 | 1.0 | 56 | 100 |
| FOSP-40A | 2.4±0.1 | 40 | 1.4 | 40 | 1.0 | 36 | 100 |
| FOSP-45A | 2.4±0.1 | 45 | 1.4 | 45 | 1.0 | 41 | 100 |
| Micro Sleeve | | | | | | | |
| FOSP-40S | 1.4±0.1 | 40 | 0.5 | 40 | 0.5 | 39.5 | 100 |
| FOSP-25S | 1.4±0.1 | 25 | 0.5 | 25 | 0.5 | 24.5 | 100 |
| FOSP-25SS | 1.4±0.1 | 25 | 0.4 | 25 | 0.5 | 24.5 | 100 |
| FOSP-18S | 1.4±0.1 | 18 | 0.5 | 18 | 0.5 | 17 | 100 |
| FOSP-15S | 1.4±0.1 | 15 | 0.5 | 15 | 0.5 | 15 | 100 |
| FOSP-10S | 1.4±0.1 | 10 | 0.5 | 10 | 0.5 | 10 | 100 |


Configuration-Colorful Sleeve

| Part Number | O.D. after Recovery (mm) | Length (mm) | Fusion tube(D) | | Steel rod(D) | | Package (pcs/bag) |
|--------------------|--------------------------|-------------|----------------|-------------|--------------|-------------|-------------------|
| | | | I.D. (mm) | Length (mm) | O.D. (mm) | Length (mm) | |
| Colorful Sleeve | | | | | | | |
| FOSP-60AM (red) | 2.5±0.1 | 60 | 1.3 | 60 | 1.1 | 56 | 100 |
| FOSP-60AM (purple) | 2.5±0.1 | 60 | 1.3 | 60 | 1.1 | 55 | 100 |
| FOSP-60AM (orange) | 2.5±0.1 | 60 | 1.3 | 60 | 1.1 | 56 | 100 |
| FOSP-60AM (green) | 2.5±0.1 | 60 | 1.3 | 60 | 1.1 | 56 | 100 |
| FOSP-60AM (yellow) | 2.5±0.1 | 60 | 1.3 | 60 | 1.1 | 56 | 100 |
| FOSP-60AM (blue) | 2.5±0.1 | 60 | 1.3 | 60 | 1.1 | 56 | 100 |



Fiber Fusion Splice sleeve-4-12F Ribbon Fiber Sleeve

Products Profit:

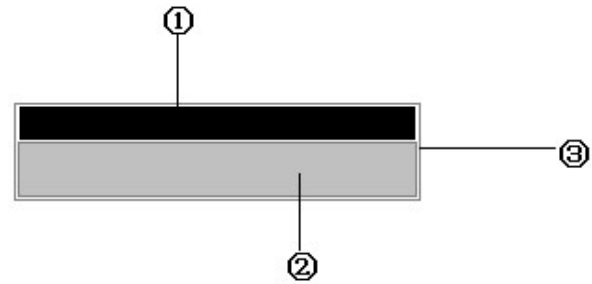
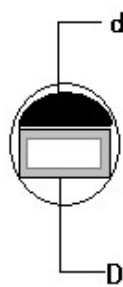
Special designed cross-linked Clear Heat Shrinkable tubing, with Clear fusion tubing liner, providing strength member and protection to fiber optical splices. Consist of 1/2 Ceramic rod, hot fusion tubing and cross-linked polyolefin. To rebuild the coating of fiber, providing mechanical strength at the fusion joint area and keeping optical transmission properties.

Features:

Moisture resistant and environmental protection
Simple operation, avoid any damages to optical fiber during installation.

Operating temperature range

Operating temperature: -45°C~100°C/-45°C~135°C
Minimum shrink temperature: 80°C
Minimum fully recovery temperature:120°C



Single Ceramic Heat Shrinkable Fiber Optic Splice Protector

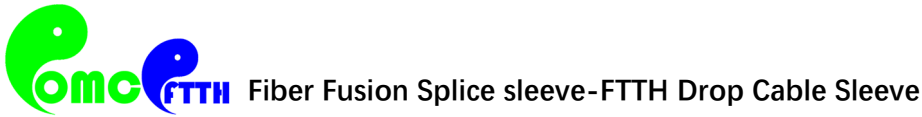
- 1.Ceramic(Quartz glass) rod
- 2.Fusion tube
- 3.Heat-shrinkable tube

Specification

| Part Number | Ceramic | Sleeve Length (L (mm)) | Hot melt Tube (D) (mm) | Ceramic rods (d) | |
|-------------|----------------|------------------------|------------------------|------------------|------------|
| | | | | Width (mm) | Height mm) |
| FOSP-4RD | Single ceramic | 42±0.8 | 1.3*2.2 | 3.0±0.1 | 1.5±0.1 |
| FOSP-4RS | Dual ceramic | 42±0.8 | 1.3*2.2 | 3.0±0.1 | 1.5±0.1 |
| FOSP-6RD | Single ceramic | 42±0.8 | 1.8*2.8 | 3.0±0.1 | 1.5±0.1 |
| FOSP-6RS | Dual ceramic | 42±0.8 | 1.8*2.8 | 3.0±0.1 | 1.5±0.1 |
| FOSP-8RD | Single ceramic | 42±0.8 | 2.4*3.4 | 4.0±0.1 | 2.0±0.1 |
| FOSP-8RS | Dual ceramic | 42±0.8 | 2.4*3.4 | 4.0±0.1 | 2.0±0.1 |
| FOSP-12RD | Single ceramic | 42±0.8 | 2.4*3.5 | 4.0±0.1 | 2.0±0.1 |
| FOSP-12RS | Dual ceramic | 42±0.8 | 2.4*3.5 | 4.0±0.1 | 2.0±0.1 |

Application

4F,6F,8F,12F Ribbon Fiber and cable splice



Products Profit:

Special designed cross-linked Clear Heat Shrinkable tubing, with Clear fusion tubing liner, providing strength member and protection to fiber optical splices. Consist of 2 rod of stainless steels, hot fusion tubing and cross-linked polyolefin. To rebuild the coating of fiber, providing mechanical strength at the fusion joint area and keeping optical transmission properties.

Features:

- Single holed (preshrunk) ends eliminates improper fiber threading
- Smooth stainless steel reinforcing member ends decrease the risk of fiber damage during installation
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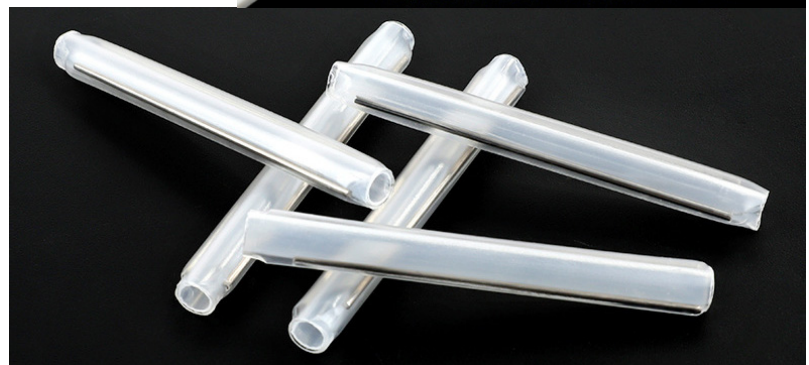
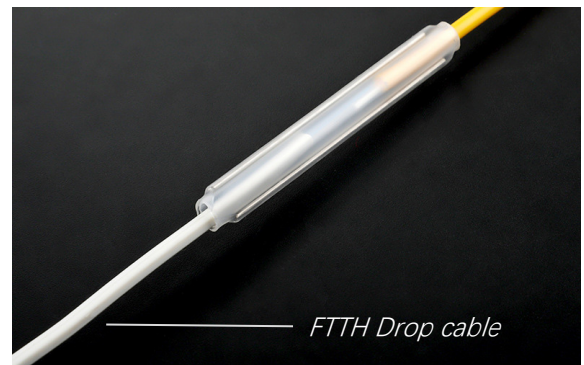
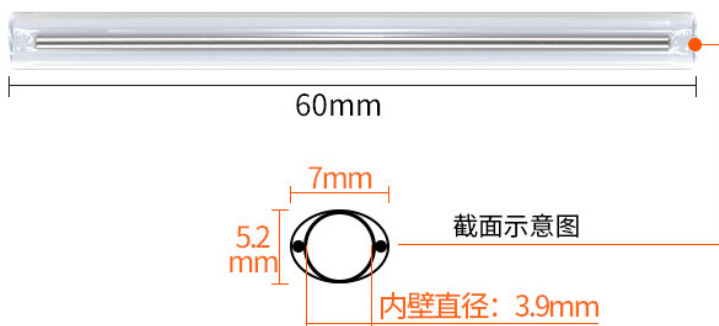
Operating temperature range

Operating temperature: $-45^{\circ}\text{C} \sim 100^{\circ}\text{C} / -45^{\circ}\text{C} \sim 135^{\circ}\text{C}$
 Minimum shrink temperature: 80°C
 Minimum fully recovery temperature: 120°C

Application

1.2-3.0mm Cable ,Splice
 2x3mm and 2x5mm FTTH Drop cable Splice

Configuration-Colorful Sleeve



| Part Number | Item Number | O.D. after recovery | Length (mm) | Fusion tube | | Steel rod | | Notes |
|-------------|-------------|---------------------|--------------|-------------|-------------|-----------|-------------|------------------------|
| | | | | I.D. (mm) | Length (mm) | O.D. (mm) | Length (mm) | |
| S30-C | 2707384145 | 2.7 ± 0.1 | 32 ± 0.1 | 3.7 | 32 | 0.7 | 30 | |
| 60AP | 3110374350 | 3.1 ± 0.1 | 60 ± 0.1 | 3.7 | 60 | 1 | 56 | |
| 28TRD | 2905404549 | 2.9 ± 0.1 | 28 ± 0.1 | 4 | 28 | 0.5 | 27 | Single Stainless steel |
| 28TRS | 2905404552 | 2.9 ± 0.1 | 28 ± 0.1 | 4 | 28 | 0.5 | 27 | Dual stainless steel |
| 30SP | 2905374345 | 2.9 ± 0.1 | 30 ± 0.1 | 2.9 | 30 | 0.5 | 29.5 | |