

DATASHEET

Smouv Heatshrink Fiber Fusion Splice sleeve



OMC INDUSTRY CO.LIMITED

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Fiber Fusion Splice sleeve-Single 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 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.

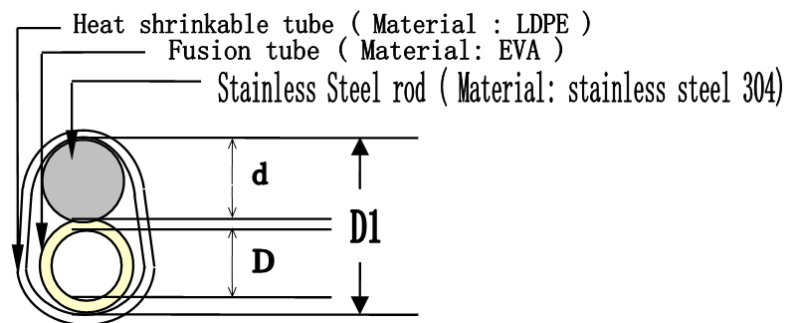
Outer tube meets SAE AMS-DTL-23053/5 Class

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- covery (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.



Fiber Fusion Splice sleeve-Single Fiber Sleeve

Configuration-Special Sleeve

Part Number	O.D. after Re-covery (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 Re-covery (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:

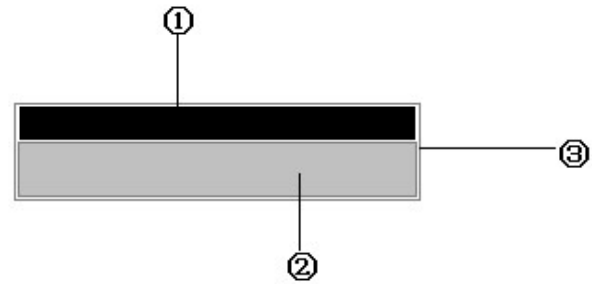
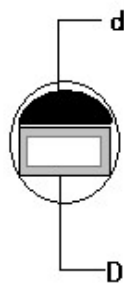
Special designed cross-linked Clear Heat Shrinkable tubing, with Clear fusion tubing liner, providing strength member and protection to fiber optical splices. Consist of 1/2 Ceramic rod, hot fusion tubing and cross-linked polyolefin. To rebuild the coating of fiber, providing mechanical strength at the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



Fiber Fusion Splice sleeve-FTTH Drop Cable 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 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:

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Extended liner length prevents contact between the fiber and the backbone

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RoHS & REACH Compliant.

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Operating temperature range

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Minimum shrink temperature: 80°C

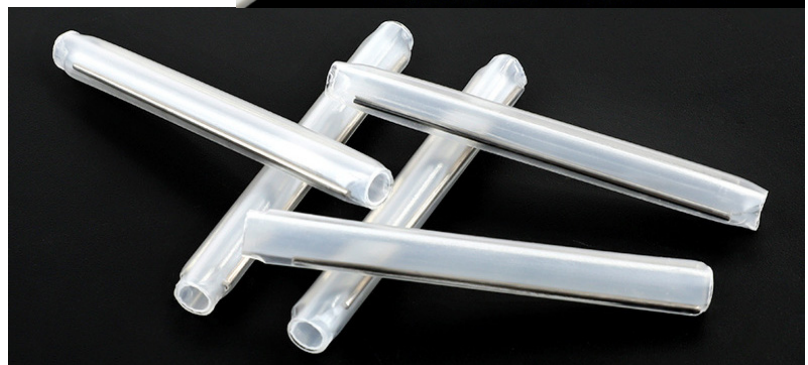
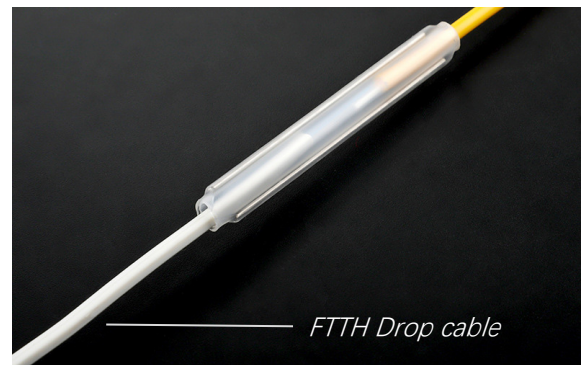
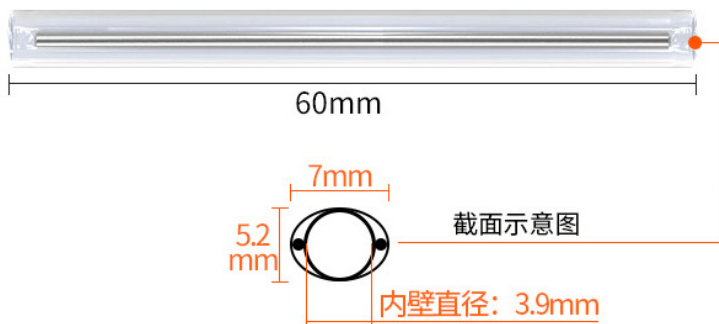
Minimum fully recovery temperature: 120°C

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	