

Fusion Splice Protection

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Solutions Product

Corning Cable Systems offers a variety of splice protection choices to meet your needs. All the types of protection pictured and described here allow individual fiber access in the splice tray. Corning Cable Systems offers heat-shrink protection in both single-fiber and multi-fiber versions.

Heat-Shrink Single-Fiber or Multi-Fiber Splice Protectors

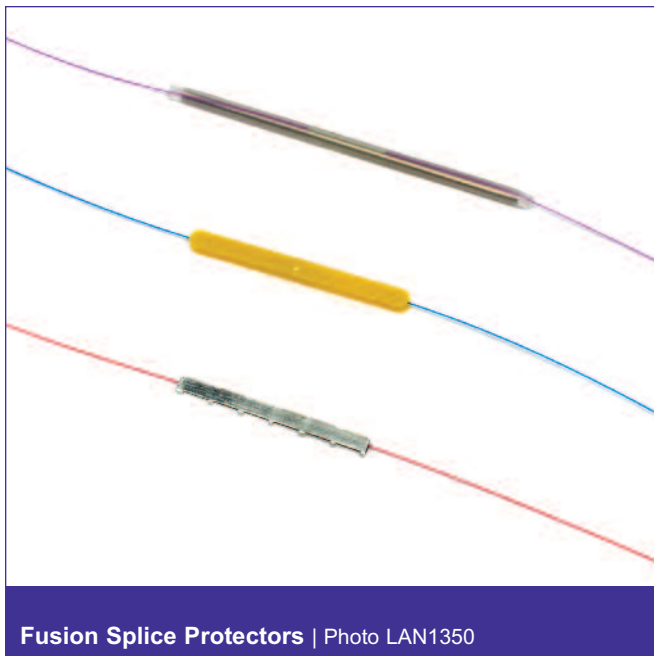
Heat-shrinkable splice protection continues to be the most popular method to protect fusion splices. The sleeve securely protects the fusion splice on either 250 or 900 μm coated fibers, while offering individual access to each fusion splice. To use, slide the heat-shrink sleeve over the fiber and then make the splice. Reposition the heat-shrink sleeve directly over the

splice and place it in the heat-shrink oven. After the specified heating time (depending on sleeve type), the splice is secure and ready to be transferred to the splice tray. Corning Cable Systems Heat-shrink Sleeves are compatible with most splice trays offered and are compatible with heat-shrink ovens offered with Corning Cable Systems Fusion Splicers. Corning Cable Systems offers both single-fiber and multi-fiber heat-shrink sleeves.

Micro Heat-Shrink Protectors

Micro heat-shrinks are available for special applications where short lengths or flexibility are required. Micro heat-shrinks can be purchased with or without metal rods and are restricted for use on 250 μm coated fibers. Custom heat-shrinks are available upon request.

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Splice Pak™ Single-Fiber Splice Protector

The Splice Pak™ Single-Fiber Splice Protector is a cost-effective alternative to the heat-shrink protective sleeve. It is a plastic “clamshell” design with an adhesive applied to the inside surface. The Splice Pak Splice Protector requires no power for assembly, thus extending the battery life of the fusion splicer. The Splice Pak Splice Protector is offered in three types for different fiber diameter combinations. To use, simply insert the Splice Pak Splice Protector into the crimp device, then transfer the completed splice into the device and crimp.

Crimp & Go™ Single-Fiber Splice Protector

The Crimp & Go™ Single-Fiber Splice Protection Crimping Device encloses the splice within a thin aluminum sleeve sealed with an elastic material. Like the Splice Pak Splice Protector, the Crimp & Go Splice Protection Crimping Device requires no power for assembly, thus extending the battery life of the fusion splicer. To use, insert the Crimp & Go Splice Protection Crimping Device into the crimp device, then transfer the completed splice into the device and crimp.

specifications |

Splice Pak Single-Fiber Splice Protector

Dimensions (H x W x L) (Closed)	2.0 x 3.2 x 35.0 mm
Fiber Diameter	Varies depending on part number: 250/250 µm; 250/900 µm; 900/900 µm
Bare Fiber Length	Not more than 25 mm
Handling Temperature Range	-5° to +45°C

Crimp & Go Single-Fiber Splice Protection Crimping Device

Dimensions (H x W x L) (Closed)	1.1 x 3.2 x 30.0 mm
Fiber Diameter	Not more than 250 µm
Bare Fiber Length	Not more than 25 mm
Handling Temperature Range	-5° to +45°C

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Micro Heat-Shrinks

Dimensions (H x W x L)	
FSA-026 (No Rod)	Recovered diameter 1.2 x 1.2 x 15.0 mm
FSA-019	Recovered diameter 1.3 x 1.3 x 15.0 mm

Fiber Diameter	Not more than 250 µm, inside diameter of FSA-026 and FSA-019 is 0.35 mm
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Installation Methods

Hot Air	
FSA-026 and FSA-019	220°-250°C (230°C nominal) for 8-12 sec, followed by a cool down to approximately 40°C before storage

Corning Cable Systems Fast Heat-Shrink Oven	
FSA-026 (No Rod)	10 sec, followed by cool down cycle
FSA-019	15 sec, followed by cool down cycle

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ordering information |

Part Number	Description
2806031-01	Heat-Shrink Fusion Splice Protector Parts, single-fiber (package of 50; 60 mm long)
2806032-01	Heat-Shrink Fusion Splice Protector Parts, single-fiber (package of 50; 40 mm long)
2806031-04	Heat-Shrink Mass Splice Protector Parts, 2- or 4-fiber ribbon (package of 25; 40 mm long)
2806031-012	Heat-Shrink Mass Splice Protector Parts, 6- or 12-fiber ribbon (package of 25; 40 mm long)
FSA-012	Crimp & Go Single-Fiber Splice Protection Crimping Device Parts (150/pack)
A0276859	Splice Pak™ Single-Fiber Splice Protector, yellow, 250/250 µm (25/pack)
A0295149	Splice Pak Single-Fiber Splice Protector, blue, 250/900 µm (25/pack)
A0295150	Splice Pak Single-Fiber Splice Protector, green, 900/900 µm (25/pack)
FSA-019	15 mm Single-Fiber Micro Heat-Shrink Splice Protectors; micro 250 µm only (100/pack)
FSA-026	15 mm Single-Fiber Micro Heat-Shrink Splice Protectors; no rod, micro 250 µm only (100/pack)

Note: Heat-shrink ovens and crimping tools can be ordered separately. Please contact your Corning Cable Systems Customer Service Representative for details.

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