Splice Trays
An Evolant™ Solutions Product

Applications
• For use with indoor or outdoor splice hardware

• Protects and manages fibers and fiber splices

• Used at field splice, transition splice and end splice locations

Description
Corning Cable Systems splice trays use proven designs and fiber organization technology to provide optimum physical protection for fusion and mechanical splicing methods. The trays are engineered for use with both loose tube and tight-buffered optical cable designs. Their generous size prevents induced attenuation due to fiber bending.

The splice trays are available in either a metallic version (M67 series) or an injection-molded plastic version (UST series). The metal tray series consists of a rugged aluminum base and cover. Crimpable metal tabs provide buffer tube strain-relief. Additional strain-relief points are available for securing buffer tubes or pigtails to the trays using cable ties. Clear covers for most full-length splice trays are sold separately.

The UST plastic tray series consists of an injection-molded, black plastic base that incorporates features to retain fiber loops and control the bend radius. The clear plastic cover allows visibility of the fibers for inspection without opening the tray. Tie-wrap holes provide strain-relief for buffer tubes and tight-buffered fibers. Unique strain-relief tabs are provided for multiple buffer tubes.

Both splice tray series contain organizers for a variety of popular splicing methods. The Room Temperature Vulcanizing (RTV) fusion splice organizer is of high-precision molded construction that holds and protects the actual splice, thereby eliminating the need for extra parts. Each mechanical and heat-shrink splice organizer provides a positive holding action for maximum splice protection during installation and use.

Designed for use with Corning Cable Systems interconnection hardware and splice closures, these splice trays are an integral part of the complete Corning Cable Systems splicing system.

Features / Benefits
• Craft-friendly design

• Available for many splicing methods

• Used for multimode or single-mode systems

• Metal trays feature black powder coating for ease of fiber identification and protection

• Metal trays come standard with aluminum tops

• Clear plastic covers for most metal trays available separately

• No stress placed on completed splices within tray

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Specifications and Ordering Information

The trays have a "Type" that is shown in the splice tray descriptions. This "Type" can be used to match compatibility with various Corning Cable Systems splice housings. RTV fusion splice trays contain an organizer that seals bare splices with the use of RTV, resulting in higher splice density than using heat-shrink fusion splice protectors. Single-fiber heat-shrink fusion splice trays will accept 60 mm single-fiber heat-shrink fusion splice protectors. Heat-shrink mass fusion splice trays accept multifiber heat-shrink mass fusion splice protectors. All splice trays can be used for single-mode or multimode applications.

M67-031

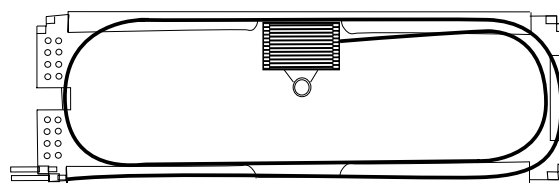Tray for 12 mechanical splices or RTV fusion splices – Type 2S
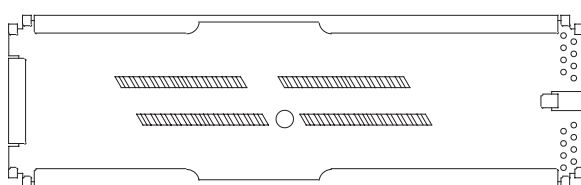
M67-031 | Drawing ZA-2626

Dimensions	29.7 x 9.9 x 0.5 cm
	(11.7 x 3.9 x 0.2 in)

Mechanical trays accept Corning Cable Systems CamSplice™ Mechanical Splice and other mechanical splices with equivalent dimensions.

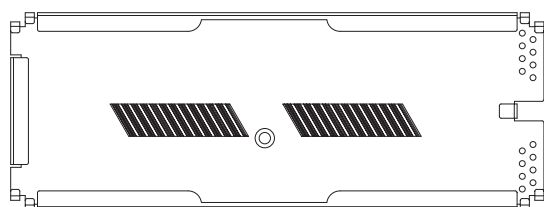**M67-041**

Tray for 12 RTV fusion splices – Type 2S

M67-041 | Drawing ZA-2652

Dimensions	29.7 x 9.9 x 0.5 cm
	(11.7 x 3.9 x 0.2 in)

M67-078

Wide Tray for 24 heat-shrink fusion splices – Type 4S Wide

M67-078 | Drawing ZA-2627

Dimensions	29.7 x 11.0 x 1.0 cm
	(11.7 x 4.3 x 0.4 in)

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Specifications and Ordering Information

The trays have a "Type" that is shown in the splice tray descriptions. This "Type" can be used to match compatibility with splice housings.

M67-048

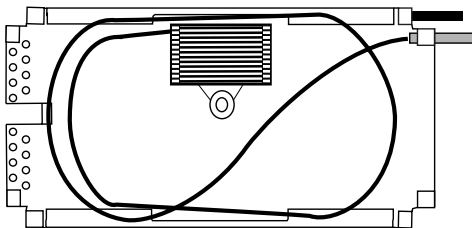Tray for 12 single-fiber heat-shrink fusion splices – Type 2S
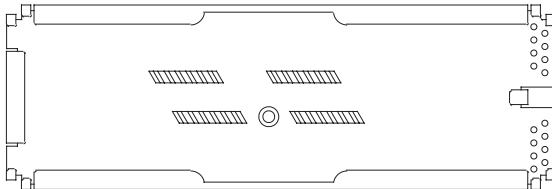
M67-048 | Drawing ZA-2222

Dimensions	29.7 x 9.9 x 0.5 cm
	(11.7 x 3.9 x 0.2 in)

M67-060

Tray for 12 RTV fusion splices – Type 2R

M67-060 | Drawing ZA-2654

Dimensions	17.5 x 8.9 x 0.5 cm
	(6.9 x 3.5 x 0.2 in)

M67-110

Tray for 12 heat-shrink fusion, 12 Splice Pak™ Splice Protectors or six heat-shrink mass fusion splices – Type 4R
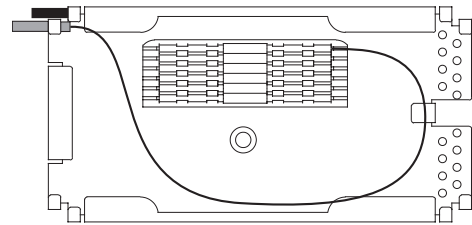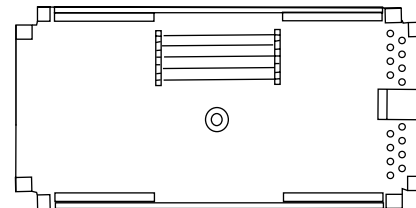
M67-110 | Drawing ZA-2653

Dimensions	17.5 x 8.9 x 1.0 cm
	(6.9 x 3.5 x 0.4 in)

M67-061

Tray for six mechanical splices – Type 2R

M67-061 | Drawing ZA-2655

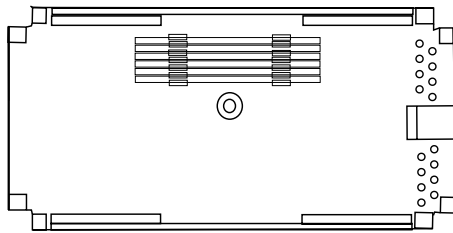| Dimensions	18.5 x 8.9 x 0.5 cm
	(7.3 x 3.5 x 0.2 in)

Mechanical trays accept Corning Cable Systems CamSplice™ Mechanical Splice and other mechanical splices with equivalent dimensions.

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Specifications and Ordering Information

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M67-068
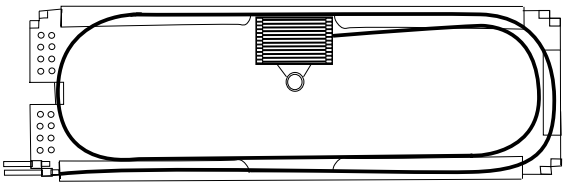
Tray for six heat-shrink fusion splices – Type 2R

M67-068 | Drawing ZA-2656

Dimensions	17.5 x 8.9 x 0.5 cm
	(6.9 x 3.5 x 0.2 in)

M67-076

Tray for six heat-shrink mass fusion splices or 12 heat-shrink fusion splices – Type 4S
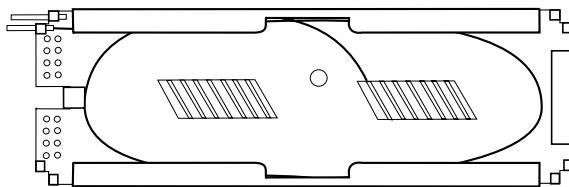
M67-076 | Drawing ZA-2658

Dimensions	29.7 x 9.9 x 1.0 cm
	(11.7 x 3.9 x 0.4 in)

M67-086

Tray for 12 RTV fusion splices – Type 4S

M67-086-C | Drawing ZA-2657

Dimensions	29.7 x 9.9 x 1.0 cm
	(11.7 x 3.9 x 0.4 in)

M67-070

Tray for up to 12 mechanical splices – Type 4S
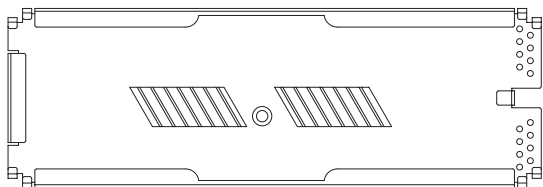
M67-070 | Drawing ZA-2625

Dimensions	29.7 x 9.9 x 1.0 cm
	(11.7 x 3.9 x 0.4 in)

Mechanical trays accept Corning Cable Systems CamSplice™ Mechanical Splice and other mechanical splices with equivalent dimensions.

Approximate height for Type 2 trays.

Approximate height for Type 4 trays.

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Specifications and Ordering Information

The trays have a "Type" that is shown in the splice tray descriptions. This "Type" can be used to match compatibility with splice housings.

M67-092
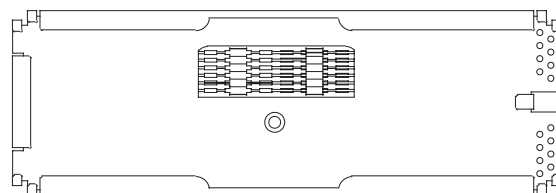Tray for 24 RTV fusion splices – Type 2S
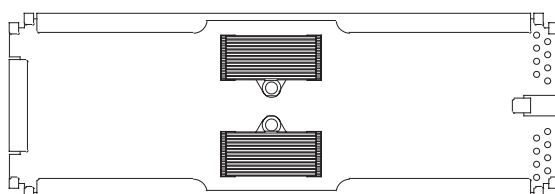
M67-092 | Drawing ZA-2223

Dimensions	29.7 x 9.9 x 0.5 cm
	(11.7 x 3.9 x 0.2 in)

M67-112
Long tray for 24 heat-shrink fusion splices – Type 2S Long
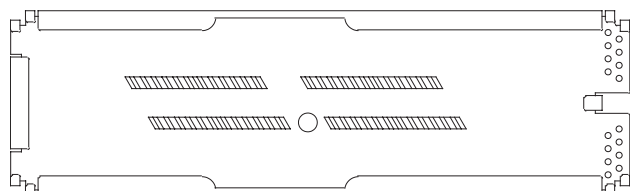
M67-112 | Drawing ZA-2226

Dimensions	33.6 x 9.9 x 0.5 cm
	(13.25 x 3.9 x 0.2 in)

M67-113
Tray for 12 Splice Pak™ Splice Protectors – Type 4S

M67-113 | Drawing ZA-2227

Dimensions	29.7 x 9.9 x 1.0 cm
	(11.7 x 3.9 x 0.4 in)

SCF-ST-077
Tray for 48 single-fiber or 12 mass fusion heat-shrink fusion splices – Type 4S
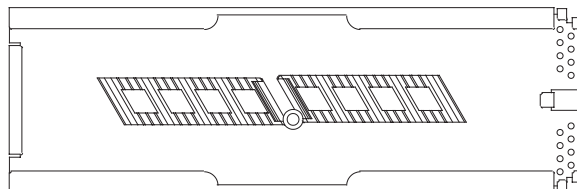

SCF-ST-077 | Drawing ZA-2228

Dimensions	29.7 x 9.9 x 1.0 cm
	(11.7 x 3.9 x 0.4 in)

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The trays have a "Type" that is shown in the splice tray descriptions. This "Type" can be used to match compatibility with splice housings.

UST-024

Universal Splice Tray (organizers included for 24 RTV fusion, heat-shrink fusion, mass fusion and mechanical splices) – Type 4A
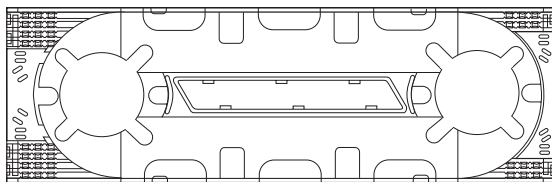
UST-024 | Drawing CPC-220/4/16

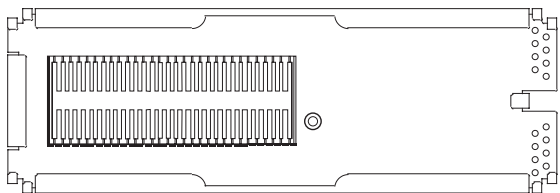| Dimensions	33 x 10.8 x 1.0 cm (13 x 4.25 x 0.4 in)

Accessories

Clear covers (packs of 6):

- For trays measuring 29.7 x 9.9 x 0.5 cm (11.7 x 3.9 x 0.2 in), order part number M67-CVR-STD2

- For trays measuring 29.7 x 9.9 x 1.0 cm (11.7 x 3.9 x 0.4 in), order part number M67-CVR-STD4

M67-118

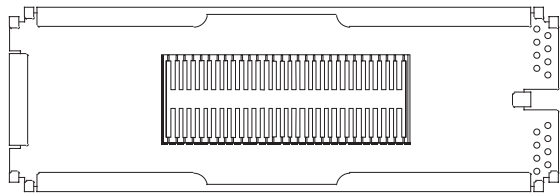Tray for 24 SplicePak™ (Q-pack) Splice Protectors – Type 4S

M67-118 | Drawing ZA-2660

Dimensions	29.7 x 9.9 x 1.0 cm (11.7 x 3.9 x 0.4 in)

M67-120

Tray for 24 SplicePak™ (Q-pack) Splice Protectors – Type 4S

M67-120 | Drawing ZA-2659

Dimensions	29.7 x 9.9 x 1.0 cm (11.7 x 3.9 x 0.4 in)

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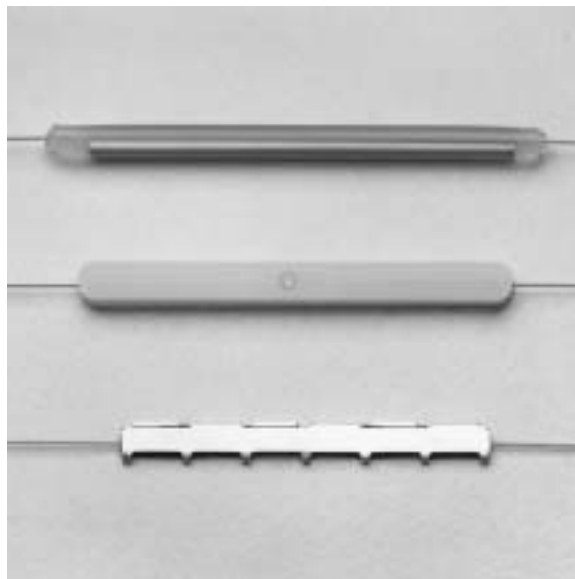
Description

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 multifiber versions.

Heat-Shrink Single- or Multifiber Splice Protector

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 all heat-shrink ovens offered with Corning Cable Systems fusion splicers. Corning Cable Systems offers both single-fiber and multifiber heat-shrink sleeves.

Splice Pak™ Single-Fiber Splice Protector

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

Crimp & Go® Single-Fiber Splice Protector

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

Top to Bottom: Heat-Shrink, Splice Pak, Crimp & Go Splice Protectors | Photo SEH07

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Fusion Splice Protection

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Specifications

Parameter	Specification
Heat-Shrink Splice Protector Sleeve	
Dimensions (Length)	Single-Fiber Sleeve: 40 or 60 mm lengths Multifiber Sleeve: 40 mm length
Fiber Diameter	250 or 900 µm
Bare Fiber Length	Not more than 30 or 50 mm (based on length of sleeve)
Shrink Temperture	Single-Fiber Sleeve: 120°C Multifiber Sleeve: 140°C
Heating Time	Single-Fiber Sleeve: Approximately 60 seconds Multifiber Sleeve: Approximately 80 seconds
Splice Pak™ Splice Protector	
Dimensions (Closed) H x W x L	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® Splice Protector	
Dimensions (Closed) H x W x L	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

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 Splice Protector Parts (package of 150)
A0276859	Splice Pak Protector, yellow, 250/250 µm (package of 25)
A0295149	Splice Pak Protector, blue, 250/900 µm (package of 25)
A0295150	Splice Pak Protector, green, 900/900 µm (package of 25)

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