

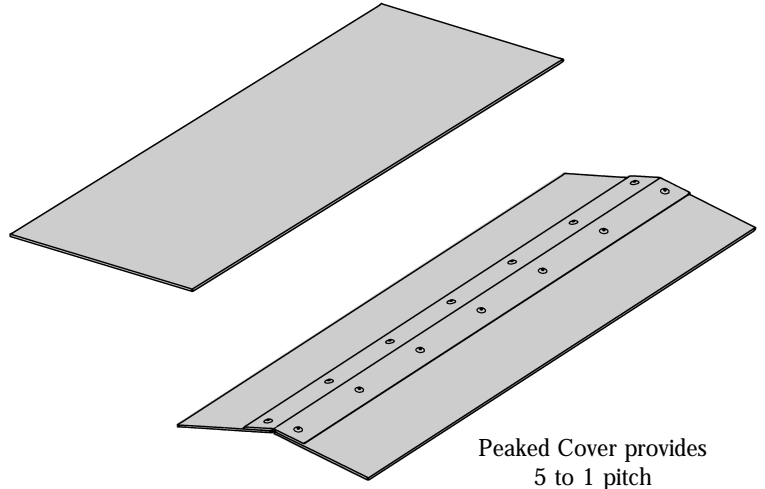
# Covers

**Material Thickness:** 1/8" (3)

**Cover Length:** 10' (3m)

**Standard Mounting Hardware:** (10 each) #10 x 1/2" stainless, self drilling screws provided with each section

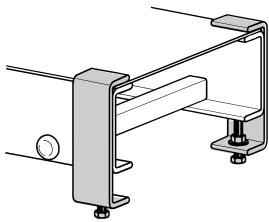
| Covers             |   | F - C - 24 - 120   |                               |
|--------------------|---|--------------------|-------------------------------|
|                    |   | └──                | Length or fitting description |
|                    |   | └──┘               | Width                         |
|                    |   | └──┘└──┘           | Rail design                   |
|                    |   | └──┘└──┘└──┘       | Material                      |
| F - C - 24 - 120   | = | Flat polyester     |                               |
| FV - C - 24 - 120  | = | Flat vinyl ester   |                               |
| FP - C - 24 - 120  | = | Peaked polyester   |                               |
| FVP - C - 24 - 120 | = | Peaked vinyl ester |                               |



**Note:** Peaked covers available for straight sections only.

## Cover Clamps

### Standard Cover Clamp

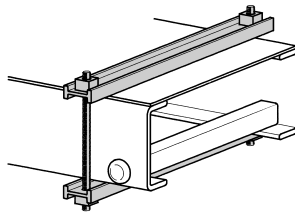


| Tray Type  | Side Rail Height | Catalog No. |
|------------|------------------|-------------|
| Fiberglass | 6" (152)         | 9F-9016     |
|            | 4" (101)         | 9F-9014     |
|            | 3" (76)          | 9F-9013     |

### Heavy Duty Cover Clamp

Recommended for outdoor service.

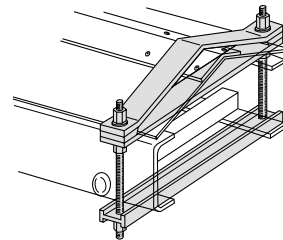
- W = tray width
- Heavy duty cover clamp available for flat covers only



| Tray Type  | Side Rail Height | Catalog No. |
|------------|------------------|-------------|
| Fiberglass | 6" (152)         | 9F-W-9064   |
|            | 4" (101)         | 9F-W-9044   |
|            | 3" (76)          | 9F-W-9034   |

### Peaked Cover Clamp

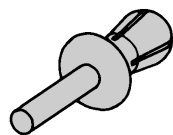
- W = tray width



| Tray Type  | Side Rail Height | Catalog No. |
|------------|------------------|-------------|
| Fiberglass | 6" (152)         | 9F-W-9064P  |
|            | 4" (101)         | 9F-W-9044P  |
|            | 3" (76)          | 9F-W-9034P  |

### Thermo Plastic Drive Rivet

Shipped in packages of 25 pcs.



**Cat. No. TPDR**

### Quantity of Standard Cover Clamps Required

Straight Section 60" or 72" .....4 pcs.  
 Straight Section 120" or 144" ..6 pcs.  
 Horizontal/Vertical Bends .....4 pcs.  
 Tees .....6 pcs.  
 Crosses .....8 pcs.

Note: When using the Heavy Duty Cover Clamp, only one-half the number of clamps stated above is required.

Note: For vinyl ester resin, 'V' must be added appropriately to part number. Example: 9FV-9016.

Dimensions shown in parentheses are in millimeters, unless otherwise specified.

## Part Number with Hardware Explanation

**Examples:** 9F-0000\* or 9FV-0000\*  
polyester resin or vinyl ester resin

\* indicates that additional information must be furnished to specify the type of hardware

| Hardware Option | 316 Stainless Steel | Monel | Silicon Bronze | Fiberglass |
|-----------------|---------------------|-------|----------------|------------|
| replace * with  | SS6                 | MO    | SB             | FR         |

**Example** 9F-4003: pair of 4-hole splice plates for 3" (76) system without hardware  
 9F-4004 SS6: pair of 4-hole splice plates for 4" (101) system with stainless steel hardware  
 9FV-8006 SB: pair of 8-hole vinyl ester splice plates for 6" (152) system with silicon bronze hardware

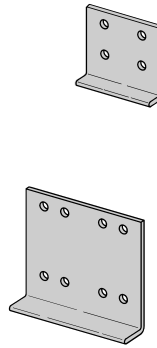
## Standard Lay-In Splice Plates

Included in needed quantities with tray section.

- furnished in pairs
- Order only pairs of splice plates needed for field fabrication.
- SS6 hardware supplied as standard - use SS6 suffix.
- Other hardware available, specify by hardware suffix. Hardware other than SS6 is considered special.

| Material   | Height   | Catalog No. |
|------------|----------|-------------|
| Fiberglass | 6" (152) | 9F-8006*    |
|            | 4" (101) | 9F-4004*    |
|            | 3" (76)  | 9F-4003*    |

\* hardware suffix needed to complete part number



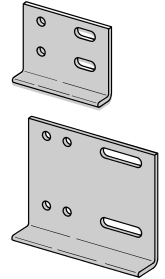
## Expansion Splice Plate

L-shaped, lay-in style

- furnished in pairs

| Material   | Height   | Catalog No. |
|------------|----------|-------------|
| Fiberglass | 6" (152) | 9F-8016*    |
|            | 4" (101) | 9F-4014*    |
|            | 3" (76)  | 9F-4013*    |

\* hardware suffix needed to complete part number



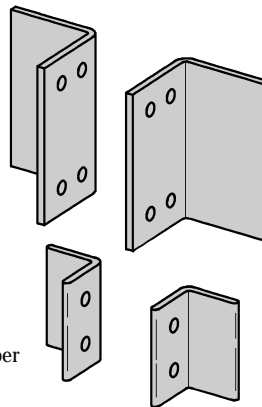
## Tray to Box Splice Plates

These plates are used to attach the end of a tray run to a distribution box or control center.

- furnished in pairs

| Material   | Height   | Catalog No. |
|------------|----------|-------------|
| Fiberglass | 6" (152) | 9F-8056*    |
|            | 4" (101) | 9F-4054*    |
|            | 3" (76)  | 9F-4053*    |

\* hardware suffix needed to complete part number



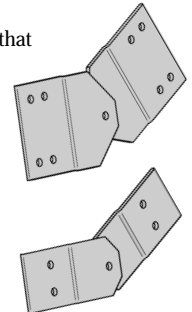
## Vertical Adjustable Splice Plates

These plates provide for changes in elevation that do not conform to standard vertical fittings.

- furnished in pairs

| Material   | Height   | Catalog No. |
|------------|----------|-------------|
| Fiberglass | 6" (152) | 9F-8026*    |
|            | 4" (101) | 9F-4024*    |
|            | 3" (76)  | 9F-4023*    |

\* hardware suffix needed to complete part number



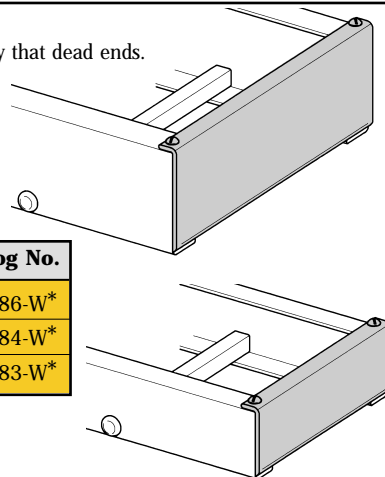
## Blind End Plate

This plate forms a closure for any tray that dead ends.

- furnished as one plate
- W = tray width

| Material   | Height   | Catalog No. |
|------------|----------|-------------|
| Fiberglass | 6" (152) | 9F-1086-W*  |
|            | 4" (101) | 9F-1084-W*  |
|            | 3" (76)  | 9F-1083-W*  |

\* hardware suffix needed to complete part number



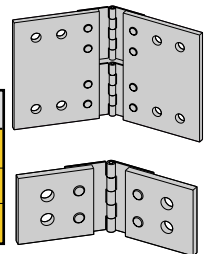
## Horizontal Adjustable Splice Plates

These plates provide for changes in the horizontal direction that do not conform to standard fittings.

- furnished in pairs
- Stainless steel hinges, FRP body

| Material   | Height   | Catalog No. |
|------------|----------|-------------|
| Fiberglass | 6" (152) | 9F-8036*    |
|            | 4" (101) | 9F-4034*    |
|            | 3" (76)  | 9F-4033*    |

\* hardware suffix needed to complete part number



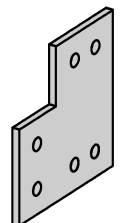
## Step Down Plates

These splice plates provide for changes in side rail heights.

- furnished in pairs

| Material   | Height                | Catalog No. |
|------------|-----------------------|-------------|
| Fiberglass | 6" to 3" (152 to 76)  | 9F-8063*    |
|            | 6" to 4" (152 to 101) | 9F-8064*    |
|            | 4" to 3" (101 to 76)  | 9F-4043*    |

\* hardware suffix needed to complete part number



# Accessories

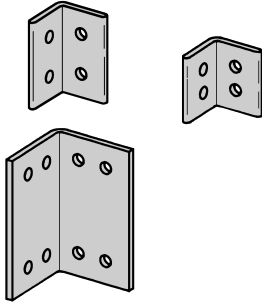
## Horizontal and Vertical Splice Plates

\* Hardware suffix needed to complete part number  
 All splice plate hardware is 3/8".

**Hardware Suffix:**  
 SS6 - 316SS  
 MO - Monel  
 SB - Silicon Bronze  
 FR - Fiberglass

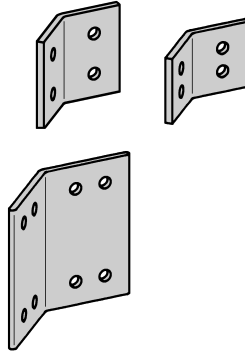
### Horizontal Splice Plates

- furnished in pairs
- \* hardware suffix needed to complete part number



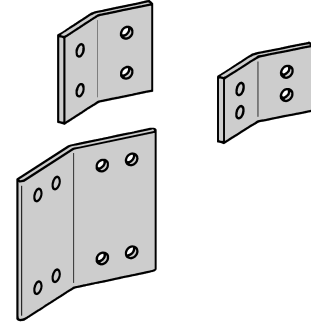
**Catalog No.**  
**90°**

**9F-8906H\***  
**9F-4904H\***  
**9F-4903H\***



**Catalog No.**  
**45°**

**9F-8456H\***  
**9F-4454H\***  
**9F-4453H\***

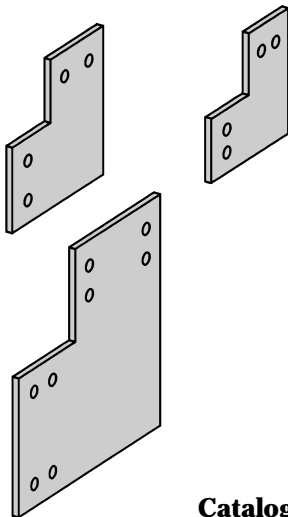


**Catalog No.**  
**30°**

**9F-8306H\***  
**9F-4304H\***  
**9F-4303H\***

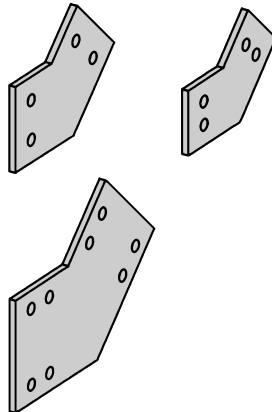
### Vertical Splice Plates

- furnished in pairs
- \* hardware suffix needed to complete part number



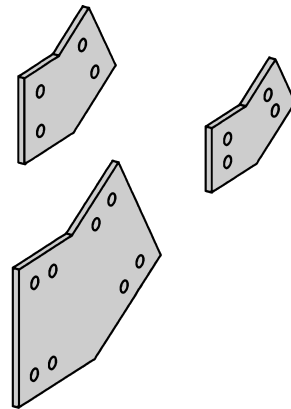
**Catalog No.**  
**90°**

**9F-8906V\***  
**9F-4904V\***  
**9F-4903V\***



**Catalog No.**  
**45°**

**9F-8456V\***  
**9F-4454V\***  
**9F-4453V\***



**Catalog No.**  
**30°**

**9F-8306V\***  
**9F-4304V\***  
**9F-4303V\***

**Notes:** Standard lay-in splice plates with SS6 hardware included with tray sections.  
 Splice Plates are available in pairs and are a separate order item. They are not automatically supplied with tray sections.  
 For vinyl ester resin, 'V' must be added appropriately to part number. Example: 9FV-8456HSS6.

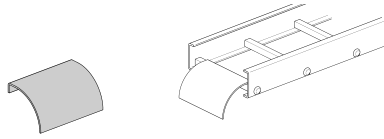
## Ladder Drop-Out

Specially-designed Ladder Drop-Outs provide a rounded surface with adequate radius to protect cable as it exits from the tray, preventing damage to insulation.

- 4" (101) radius

**Cat. No. 9F-1104 - W**

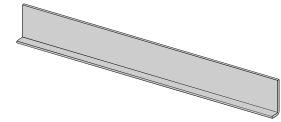
- W = tray width



## Barriers

- vinyl ester available 75FV-120
- furnished with #10 x 1/2" self-drilling stainless steel screws

| Catalog No. | Side rail Height |
|-------------|------------------|
| 75F-120     | 6" (152)         |
| 73F-120     | 4" (101)         |
| 72F-120     | 3" (76)          |



## Flexible Horizontal Barrier Kit

One kit allows up to a 38" (965) radius position of the barrier. For larger than 38" (965) radius barrier position, two kits are required.

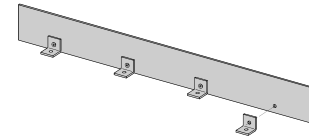
| Catalog No. | Side rail Height | Loading Depth 'H' |
|-------------|------------------|-------------------|
| 75F-90HBFL  | 6" (152)         | 4 11/16 (119)     |
| 73F-90HBFL  | 4" (101)         | 2 11/16 (68)      |
| 72F-90HBFL  | 3" (76)          | 1 3/4 (44)        |

**Note:** For vinyl ester resin, 'V' must be added appropriately to part number. Example: 75FV-90BFL.

### Kit Contents:

- 1 pc — 72" (1829) Straight Barrier
- 4 pc — 9F-9002 Barrier Strip Clip
- 8 pc — Thermo Plastic Drive Rivet
- 4 pc — #10 x 3/4" Stainless Steel Self-Drilling Screw

**Assembly required — directions included.**



## Barrier Mounting Angle Clips with Fasteners

Additional clips with fasteners (2 thermo plastic drive rivets and 1 #10 x 3/4" Stainless steel self-drilling screw.)

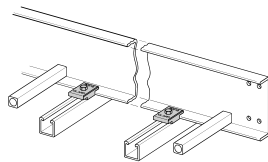
- 1 pack contains 4 angle clips and fasteners.

**Cat. No. PK-BAC**

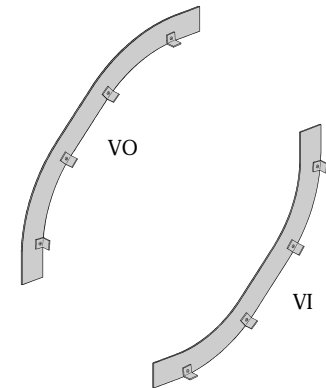
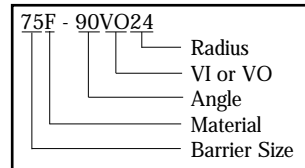
## Clamp/Guide - Fiberglass

**Cat. No. 9F-1208** - nonmetallic

- designed for 3/8" hardware - not included
- combination hold down clamp and guide



## Vertical Barriers

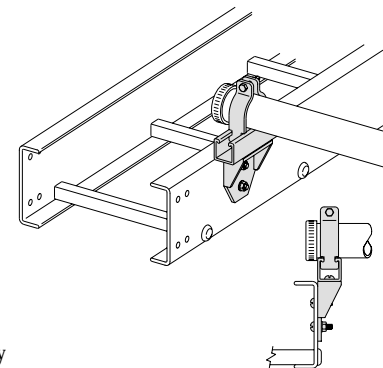


## Fiberglass Conduit to Cable Tray Adapter

- For rigid or PVC conduit
- Standard hardware is 316 stainless steel
- Add "N" to end of part number if non-metallic hardware is preferred

| Part Number | Conduit Size |     |
|-------------|--------------|-----|
|             | in.          | mm  |
| 9F*-2008    | 0.50         | 15  |
| 9F*-2009    | 0.75         | 20  |
| 9F*-2010    | 1.00         | 25  |
| 9F*-2011    | 1.25         | 32  |
| 9F*-2012    | 1.50         | 40  |
| 9F*-2013    | 2.00         | 50  |
| 9F*-2014    | 2.50         | 65  |
| 9F*-2015    | 3.00         | 80  |
| 9F*-2016    | 3.50         | 90  |
| 9F*-2017    | 4.00         | 100 |

\* Insert "V" for vinyl ester cable tray



## Resin Seal Kit

To reseal fiberglass after field modifications.

**Catalog No. RSK-010**

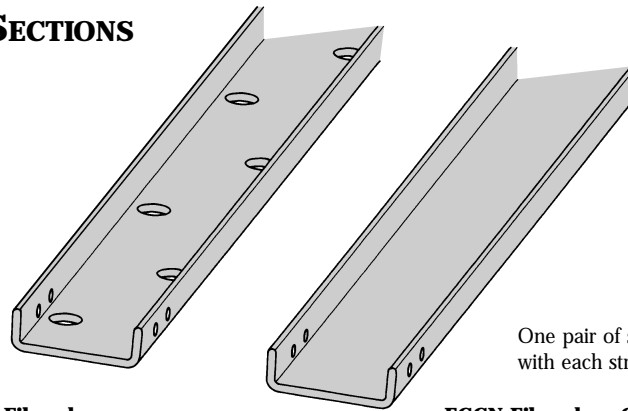
1 pint (473ml)

Contents: Sealant and Applicator.



# Fiberglass Cable Channel

## STRAIGHT SECTIONS



One pair of splice plates included with each straight section.

**FCC Fiberglass Cable Channel Ventilated**

**FCCN Fiberglass Cable Channel Non-Ventilated**

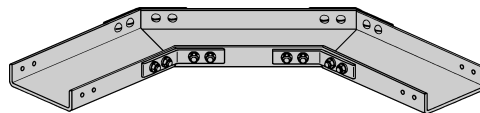
| Polyester  | Vinyl Ester | Width |     | Length |   | Height |    |
|------------|-------------|-------|-----|--------|---|--------|----|
|            |             | in.   | mm  | ft.    | m | in.    | mm |
| FCC-03-120 | FCCV-03-120 | 3     | 76  | 10     | 3 | 1      | 25 |
| FCC-03-240 | FCCV-03-240 | 3     | 76  | 20     | 6 | 1      | 25 |
| FCC-04-120 | FCCV-04-120 | 4     | 101 | 10     | 3 | 1 1/8  | 28 |
| FCC-04-240 | FCCV-04-240 | 4     | 101 | 20     | 6 | 1 1/8  | 28 |
| FCC-06-120 | FCCV-06-120 | 6     | 152 | 10     | 3 | 1 5/8  | 35 |
| FCC-06-240 | FCCV-06-240 | 6     | 152 | 20     | 6 | 1 5/8  | 35 |
| FCC-08-120 | FCCV-08-120 | 8     | 203 | 10     | 3 | 2 3/16 | 55 |
| FCC-08-240 | FCCV-08-240 | 8     | 203 | 20     | 6 | 2 3/16 | 55 |

| Polyester   | Vinyl Ester  | Width |     | Length |   | Height |    | Load   |      |
|-------------|--------------|-------|-----|--------|---|--------|----|--------|------|
|             |              | in.   | mm  | ft.    | m | in.    | mm | Lbs/Ft | N/M  |
| FCCN-03-120 | FCCVN-03-120 | 3     | 76  | 10     | 3 | 1      | 25 | 8      | 116  |
| FCCN-03-240 | FCCVN-03-240 | 3     | 76  | 20     | 6 | 1      | 25 | 8      | 116  |
| FCCN-04-120 | FCCVN-04-120 | 4     | 101 | 10     | 3 | 1 1/8  | 28 | 12     | 175  |
| FCCN-04-240 | FCCVN-04-240 | 4     | 101 | 20     | 6 | 1 1/8  | 28 | 12     | 175  |
| FCCN-06-120 | FCCVN-06-120 | 6     | 152 | 10     | 3 | 1 5/8  | 35 | 58     | 846  |
| FCCN-06-240 | FCCVN-06-240 | 6     | 152 | 20     | 6 | 1 5/8  | 35 | 58     | 846  |
| FCCN-08-120 | FCCVN-08-120 | 8     | 203 | 10     | 3 | 2 3/16 | 55 | 87     | 1269 |
| FCCN-08-240 | FCCVN-08-240 | 8     | 203 | 20     | 6 | 2 3/16 | 55 | 87     | 1269 |

- Load data was interpolated from CSA testing.
- FCCN series tested
- Loads shown are for 6ft. span with deflection of .7 inches.

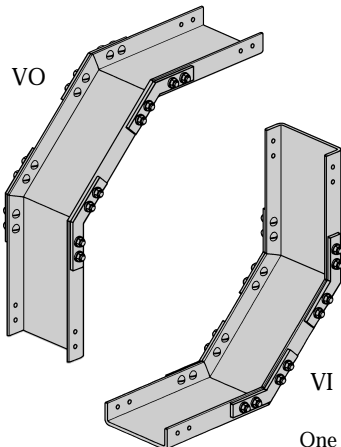
## Cable Channel Fittings

All fittings are of mitered construction with 12" (305) radius.



One pair of splice plates included.

| Horizontal | 3" series      | 4" series      | 6" series      | 8" series      |
|------------|----------------|----------------|----------------|----------------|
| 90°        | FCCN-03-90HB12 | FCCN-04-90HB12 | FCCN-06-90HB12 | FCCN-08-90HB12 |
| 45°        | FCCN-03-45HB12 | FCCN-04-45HB12 | FCCN-06-45HB12 | FCCN-08-45HB12 |



| Vertical | 3" series      | 4" series      | 6" series      | 8" series      |
|----------|----------------|----------------|----------------|----------------|
| 90°      | FCCN-03-90V*12 | FCCN-04-90V*12 | FCCN-06-90V*12 | FCCN-08-90V*12 |
| 45°      | FCCN-03-45V*12 | FCCN-04-45V*12 | FCCN-06-45V*12 | FCCN-08-45V*12 |

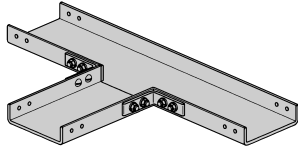
**Notes:** \* Insert 'O' for Vertical Out or 'I' for Vertical In.  
For vinyl ester resin, 'V' must be added appropriately to part number. Example FCCVN-04-90HB12

One pair of splice plates included.

Dimensions shown in parentheses are in millimeters, unless otherwise specified.

# Cable Channel Fittings

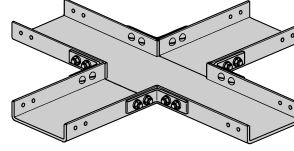
## Horizontal Tees



Two pair of splice plates included.

| Catalog No.  | Width |     |
|--------------|-------|-----|
|              | in.   | mm  |
| FCCN-03-HT12 | 3     | 75  |
| FCCN-04-HT12 | 4     | 100 |
| FCCN-06-HT12 | 6     | 150 |
| FCCN-08-HT12 | 8     | 200 |

## Horizontal Crosses



Three pair of splice plates included.

| Catalog No.  | Width |     |
|--------------|-------|-----|
|              | in.   | mm  |
| FCCN-03-HX12 | 3     | 75  |
| FCCN-04-HX12 | 4     | 100 |
| FCCN-06-HX12 | 6     | 150 |
| FCCN-08-HX12 | 8     | 200 |

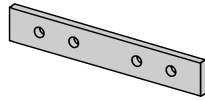
# Cable Channel Splice Plates

## Splice Plates (pairs)

Included with tray sections.

Catalog No.

9F-1001 SS6

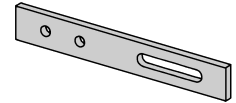


Optional 9SS6-1001

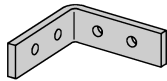
## Expansion Splice Plates (pairs)

Catalog No.

9F-1013 SS6



## Horizontal 90° Splice Plates (pairs)

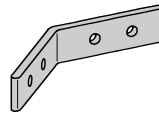


Catalog No.

9F-1901H SS6

Optional 9SS6-1901H

## Horizontal 45° Splice Plates (pairs)

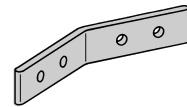


Catalog No.

9F-1451H SS6

Optional 9SS6-1451H

## Horizontal 30° Splice Plates (pairs)

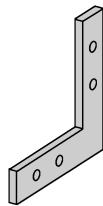


Catalog No.

9F-1301H SS6

Optional 9SS6-1301

## Vertical 90° Splice Plates (pairs)

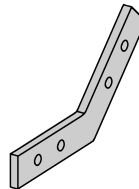


Catalog No.

9F-1901V SS6

Optional 9SS6-1901Y

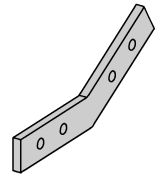
## Vertical 45° Splice Plates (pairs)



Catalog No.

9F-1451V SS6

## Vertical 30° Splice Plates (pairs)



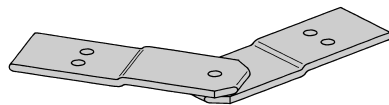
Catalog No.

9F-1301V SS6

## Horizontal Adjustable Splice Plates

Catalog No.

9F-1023 SS6

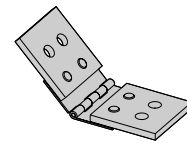


Uses 3/8 hardware.

## Vertical Adjustable Splice Plates

Catalog No.

9F-1033 SS6



Stainless steel hinge FRP body

Uses 3/8 hardware.

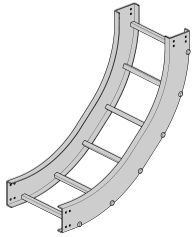
**Notes:** Splice plates included with cable channel sections.  
Standard hardware for splice plates is 1/4" (316SS). Hardware for adjustable splice plates is 3/8" (316SS).  
For vinyl ester resin, 'V' must be added appropriately to part number. Example: 9FV-1023 SS6.

## Why B-Line® Brand?

- Industry leading cable tray manufacturer with over 30 years of experience.



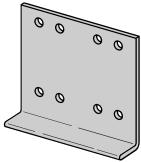
- CSA - 3rd party witnessed testing.



- TrayCAD® - B-Line's design aid software program.

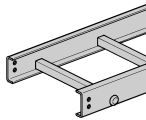
- Molded fittings in popular sizes.

- Active member in Cable Tray Institute, NEMA 5VE and NEMA 5FG.



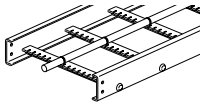
- Lay-in splice plate design, an installation aid.

- Splice plates with 316SS hardware provided with straight sections and fittings.



- Mechanical and adhesive construction.

- Complete non-metallic and metallic bolted framing strut support system.



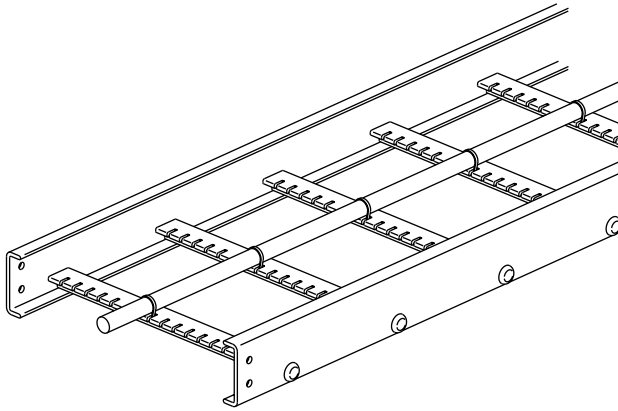
- Innovations like the FRP Marine Rung.

- Honest Answers.

- The Cooper Connection.

## Marine Rung Cable Tray/Fiberglass

Patent Pending

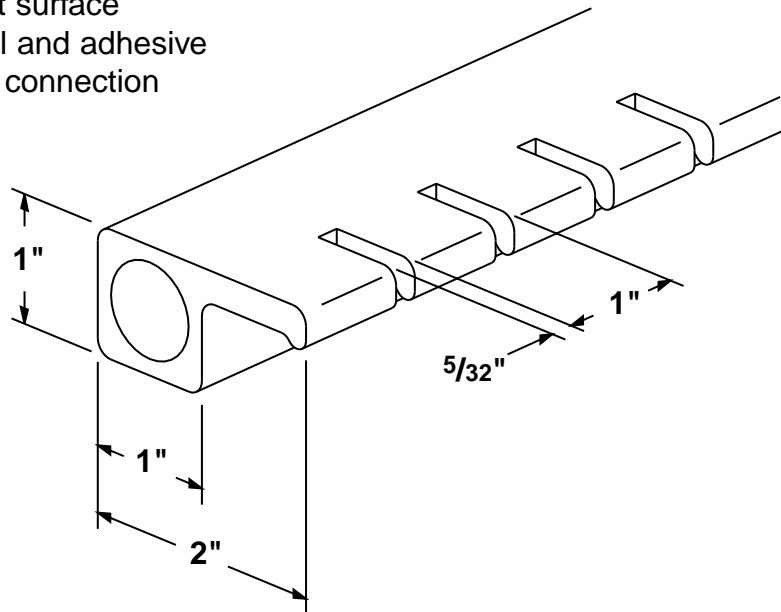


### Features:

- For Coast Guard Requirements
  - allows stainless steel banding of cables
  - $\frac{5}{32}$ " slots 1 inch on centers
  - accommodates up to  $\frac{5}{8}$ " banding
- Has applications on land
  - vertical installation
  - any location where extra cable positioning is required
- Designed for B-Line Fiberglass Series Cable Trays
- Part Number Indication
  - add MR after rung spacing
  - ex. 46F09MR-36-240

Rung design provides:

- 2" cable support surface
- both mechanical and adhesive rung to side rail connection



# CABLING SUPPORT OPTIONS FROM B-LINE



## CABLE HOOK SYSTEM

B-Line's cable hook system is a user friendly, cost effective means to support communications cabling. The cable hooks are designed to maximize cable-bearing surface, eliminate stress and optimize cable performance. Cable hooks are available in three convenient sizes: 1<sup>5</sup>/<sub>16</sub>", 2", and 4", and will accommodate most support applications. B-Line catalog BLF-00.

## CABLE RUNWAY

Traditional telecom cabling support system offered in solid bar, tubular, or the new C-Channel design. No side rail design allows system to install in limited spaces without fittings. B-Line catalog BLT-98R.



## WIRE BASKET CABLE SUPPORT SYSTEMS

B-Line's wire basket cable support system is a low profile, rugged wire mesh design which provides economical cable support system that is field adaptable. The unique field control eliminates the need to special order clumsy fittings. B-Line catalog WB00R.

## CENT-R-RAIL® SYSTEMS

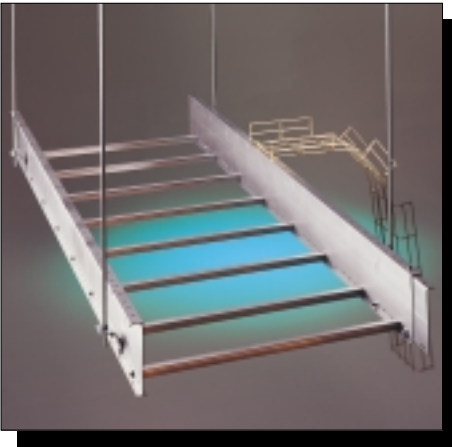
Four separate systems created to match installation needs. The best systems for cable freedom to enter and exit the system. Strong, NEMA 12C, aluminum construction. System assembles with couplings and connectors and is UL Classified. The fastest system to install. B-Line catalog CR-00.



# CABLING SUPPORT OPTIONS FROM B-LINE

## CABLE TRAY SYSTEMS

B-Line's traditional two side rail cable tray. Rugged two side rail construction protects cables and allows for a wide range of sizes and strengths. Coupled with a large selection of materials, finishes, and bottom types, these engineered systems can satisfy your particular requirements. B-Line catalogs Metallic CT-99 and Nonmetallic CT01FRP.



## REDI-RAIL™ SYSTEMS

This new high tech design offers new freedom to the installer. The mechanically assembled, pre-punched side rail design provides unmatched job site adaptability for a two side rail system. Loading depths from 2" to 6", aluminum construction. B-Line catalogs RR-00 and RRX-00.

## CABLE CHANNEL

B-Line's cable channel system is a compact, adaptable, easy to install system that is available in steel, aluminum, and fiberglass. System has fittings available as well as connectors and a full line of accessories. B-Line catalogs Metallic CT-99 and Nonmetallic CT01FRP.



## WIREWAY

B-Line offers commercial and industrial wireway and wiring trough to handle almost any of your wire and cable routing needs. Commercial Type 1 and 3R designs are available with or without knockouts. Sizes range from 2.5" x 2.5" to 12" x 12" and lengths from 12" to 120". Industrial NEMA 12 designs are available in both lay-in and feed-through styles. Wireway is available in ANSI 61 gray painted steel and Type 304 stainless steel. B-Line can also provide special sizes, finishes, and other modifications. B-Line catalog ENC-00.