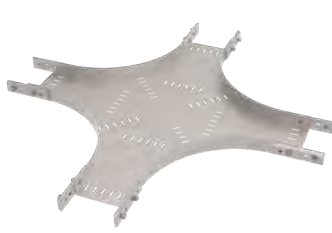




For additional information on KwikSplice cable channel, visit [Eaton.com/KSCC](https://www.eaton.com/KSCC).



KSCC Splice Plate
Patent pending



KSCC Horizontal Cross
Patent pending



KSCC Horizontal Tee
Patent pending



KSCC Drop Out
Patent pending



KSCC Reducer Splice Plate



KSCC Horizontal Adjustable Splice Plate
Patent pending



KSCC Vertical Adjustable Splice Plate
Patent pending



KSCC Heavy Duty Expansion Splice Plate



KSCC Blind End



KSCC Expansion Splice Plate

How The Service Advisor Works

We know that your time is important! That's why the color-coding system in this catalog is designed to help you select products that fit your service needs. Products are marked to indicate the typical lead time for orders of 50 pieces or less.

Customer: How do I select my cable channel product so that I get the quickest turnaround?

Service Advisor: Each part of our selection chart is shown in colors. If any section of a part number is a different color, the part will typically ship with the longer lead time represented by the colors.

- Green = Fastest shipped items
- Black = Normal lead-time items

Example: **KSCC A 06 - 120**

● ● ● ●

Channel with pass through available to ship in Q3 of 2022.

Straight Section Part Numbering

Example: **KSCC A - 04 - 240**

Prefix

Type	Material	Width	Length
KSCC = Ventilated Cable Channel with Pass Through	<i>Only available in Aluminum</i> A = Aluminum 6063-T6	● 02 = 2"*** ● 04 = 4" ● 06 = 6"	① ● 120 = 10 ft. ② ● 144 = 12 ft. ③ ● 240 = 20 ft.
KSCCS = Ventilated Cable Channel			
KSCCN = Non-Ventilated Cable Channel Solid Bottom			

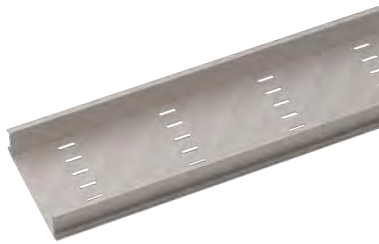
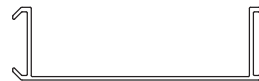
*** 2" width not offered with KSCC Ventilated Cable Channel with Pass Through



KSCCNA-06-240
Non-Ventilated Cable Channel

Patent pending

**KSCCNA-06,
KSCCA-06 & KSCCSA-06**
6" (150mm) wide
2" (51mm) deep



KSCCSA-06-240
Ventilated Cable Channel

Patent pending

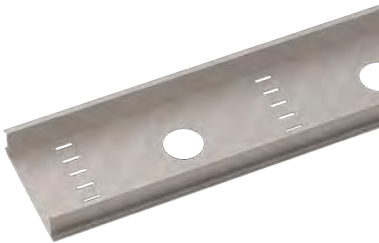
**KSCCNA-04,
KSCCA-04 & KSCCSA-04**
4" (100mm) wide
2" (51mm) deep



**KSCCNA-02 &
KSCCSA-02**
2" (51mm) wide
2" (51mm) deep

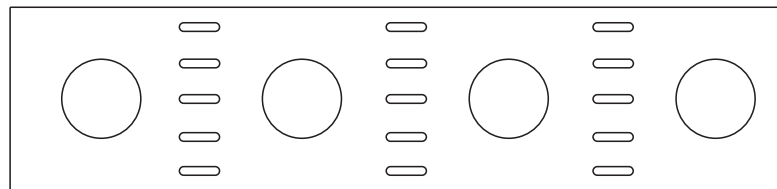


***2x2 not available in KSCCA perforation pattern



KSCCA-06-240
Ventilated Cable Channel with Pass Through*

Patent pending



4" wide pattern shown

Ventilated straight sections contain 2 1/4" (57.1mm) pass through and 1/4" (6.4mm) x 1" (25.4mm) slots for cable attachment.

*Pass through hole offering available in Q3 2022.

● Green = Fastest shipped items ● Black = Normal lead-time items

KwikSplice cable channel tray - straight sections

Tray data & loading

Material Type	Tray Series	Width in. (mm)	Depth in. (mm)	UL Cross-Sectional Area	Span		Loading	
					ft.	(m)	lbs/ft	(kg/m)
Aluminum Non-Ventilated solid bottom	KSCCN*A-02	2 (51)	2 (51)	0.40 in ²	10	(3.0)	13	(20)
					12	(3.6)	6	(9)
					20	(6.1)	3	(5)
	KSCCN*A-04	4 (101)	2 (51)	0.60 in ²	10	(3.0)	27	(40)
					12	(3.6)	12	(18)
					20	(6.1)	7	(10)
	KSCCN*A-06	6 (152)	2 (51)	0.60 in ²	10	(3.0)	40	(60)
					12	(3.6)	18	(26)
					20	(6.1)	10	(15)
Aluminum Ventilated slotted	KSCCS*A-02	2 (51)	2 (51)	0.40 in ²	10	(3.0)	13	(20)
					12	(3.6)	6	(9)
					20	(6.1)	3	(5)
	KSCCS*A-04	4 (101)	2 (51)	0.60 in ²	10	(3.0)	27	(40)
					12	(3.6)	12	(18)
					20	(6.1)	7	(10)
	KSCCS*A-06	6 (152)	2 (51)	0.60 in ²	10	(3.0)	40	(60)
					12	(3.6)	18	(26)
					20	(6.1)	10	(15)
Aluminum Ventilated with Pass Through	KSCC*A-04	4 (101)	2 (51)	0.40 in ²	10	(3.0)	27	(40)
					12	(3.6)	12	(18)
					20	(6.1)	7	(10)
	KSCC*A-06	6 (152)	2 (51)	0.60 in ²	10	(3.0)	40	(60)
					12	(3.6)	18	(26)
					20	(6.1)	10	(15)



Pass through hole offering available in Q3 2022.

KwikSplice cable channel tray - accessories

Splice Plate

Features dove tail locking design which allows for quick installation.

- Furnished in pairs with pre-installed hardware
 - 1 size fits all channel widths
- Patent pending*



Catalog No.	Channel Width	
	in.	(mm)
KSCCA-SSP	2 to 6	(51 to 152)

Horizontal Adjustable Splice Plate

Adapts to changes in direction on a horizontal plane beyond the capability of the standard horizontal fittings.

- Allows 0 to 90° of adjustment
 - Furnished as one assembly with hardware
- Patent pending*



Catalog No.	Channel Width	
	in.	(mm)
KSCCA-02-HSP	2	(51)
KSCCA-04-HSP	4	(101)
KSCCA-06-HSP	6	(152)

Vertical Adjustable Splice Plate

Adapts to changes in direction on a vertical plane beyond the capability of the standard vertical fittings.

- Allows 0 to 90° of adjustment
 - Furnished as one assembly with hardware
- Patent pending*



Catalog No.	Channel Width	
	in.	(mm)
KSCCA-02-VSP	2	(51)
KSCCA-04-VSP	4	(101)
KSCCA-06-VSP	6	(152)

Expansion Splice Plate

Allow for one inch expansion or contraction of the cable channel run. See page C-8 for use instructions.

- 1 size fits all channel widths
- Patent pending*



Catalog No.	Channel Width	
	in.	(mm)
KSCCA-ESP	2 to 6	(51 to 152)

Heavy Duty Expansion Splice Plate

Engineered to eliminate the additional supports recommended by NEMA at an expansion joint location.

- Can be placed out to 1/4 support span without requiring any additional supports at junction.
- Can be used on all widths 2", 4" and 6"
- Installation will require field drilling on straight sections



Catalog No.	Channel Width	
	in.	(mm)
KSCCA-HDESP	2 to 6	(51 to 152)

Channel Reducer Plate

Used to join cable channel sections with different widths.

- Product will be boxed with one standard splice plate (included with the kit)
- Requires supports within 24" on both sides per NEMA VE 2



Catalog No.	Channel Width in. (mm)
KSCCA-20FSP	4 to 2 (101-51) 6 to 4 (152-101)
KSCCA-40FSP	6 to 2 (152-51)

Wrap Around Cover Clamp/Bolted Cover Clamp

- Secures the cover to the cable channel
- Furnished as one clamp with hardware



Catalog No.	Channel Width in. (mm)
KSCCA-02-HDCC	2 (51)
KSCCA-04-HDCC	4 (101)
KSCCA-06-HDCC	6 (152)

Hold Down Bracket

- Locks into side rail with channel nut attachment
- No drilling of channel is required
- Furnished as pair of brackets with channel mounting hardware.
- Order support attachment hardware separately
- Can be used on all widths 2", 4" and 6" widths



Hold down bracket with dove tail nut

Catalog No.	Channel Width in. (mm)
KSCCA-HLD	2 to 6 (51-152)

Parallel Tray Mounting Bracket

Allows a parallel run of cable channel to be attached to the side of a cable tray / channel.

- Furnished as one support with channel mounting hardware
- Will support all widths 2", 4" and 6" widths



Catalog No.	Channel Width in. (mm)
KSCCA-UMB	2 to 6 (51-152)

Tray Mounting Bracket

Allows a perpendicular run of cable channel to be attached to the side of a cable tray / channel.

- Furnished as one support with channel mounting hardware
- Will support all widths 2", 4" and 6" widths



Catalog No.	Channel Width in. (mm)
KSCCA-TMB	2 to 6 (51-152)

End Drop Out

- Provides 4" (101mm) radius
- Holes provided to help secure cables

Patent pending

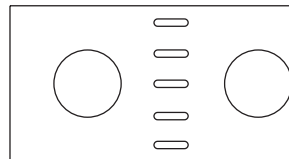


Catalog No.	Channel Width in. (mm)
KSCCA-02-OUT	2 (51)
KSCCA-04-OUT	4 (101)
KSCCA-06-OUT	6 (152)

Cable Channel Bushing

Used to help protect cable from mechanical wear.

- Snap in place plastic bushing

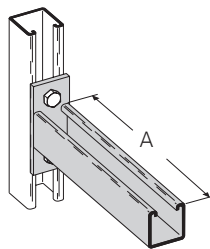


Catalog No.

99-1125

Cable Channel Bracket

- Safety factor of 2.5
- Finishes available: ZN, GRN, HDG



Catalog No.	Channel Width in. (mm)	Uniform Load lbs (kN)	A in. (mm)
B409-6	3 (76)	1920 (8.54)	6 (152)
B409-9	4, 6 (101, 152)	1280 (5.69)	9 (228)

Blind End

Designed to terminate channel run.

- Furnished as one plate with hardware
- Comes pre-assembled as pictured



Catalog No.	Channel Width in. (mm)
KSCCA-02-END	2 (51)
KSCCA-04-END	4 (101)
KSCCA-06-END	6 (152)

Frame Type Connector

Designed to attach the end of a cable channel run to a distribution cabinet or control center.

- Helps reinforce the box at the point of entry
- Furnished with channel connection hardware
- Comes pre-assembled as pictured



Catalog No.	Channel Width in. (mm)
KSCCA-02-FTB	2 (51)
KSCCA-04-FTB	4 (101)
KSCCA-06-FTB	6 (152)

Dove Tail Nut

Used to mount onto dove tail channel.

- The slip load is 300 lbs with a safety factor of 3
- The pull out is 330 lbs with a safety factor of 3



Catalog No.	Channel Width in. (mm)
KSCC-DTN-SS6	2 to 6 (51-152)

Side Rail Drop Out

Used to drop cable out of the side of the channel.

- Furnished with $\frac{3}{8}$ " bolt and dove tail nut hardware for connection
- Works on all channel widths
- Comes pre-assembled as pictured



Catalog No.	Channel Width in. (mm)
KSCC-SDO	2 to 6 (51-152)

Cable Drop Opening

Fitting design to provide pass through hole on solid bottom and slotted channel.

- Furnished as one assembly with hardware
- 6" and 4" width have 2 $\frac{1}{4}$ " pass through opening.
- 2" width has 1 $\frac{1}{2}$ " pass through opening
- Comes pre-assembled as pictured

Patent pending



Catalog No.	Channel Width in. (mm)
KSCCA-02-CDO	2 (51)
KSCCA-04-CDO	4 (101)
KSCCA-06-CDO	6 (152)

Bolted Cover Clamp

- Secures the cover to the cable channel
- Furnished as one clamp with hardware



Catalog No.	Channel Width in. (mm)
KSCCA-HDCC-02	2 (51)
KSCCA-HDCC-04	4 (101)
KSCCA-HDCC-06	6 (152)

Cable Channel Covers



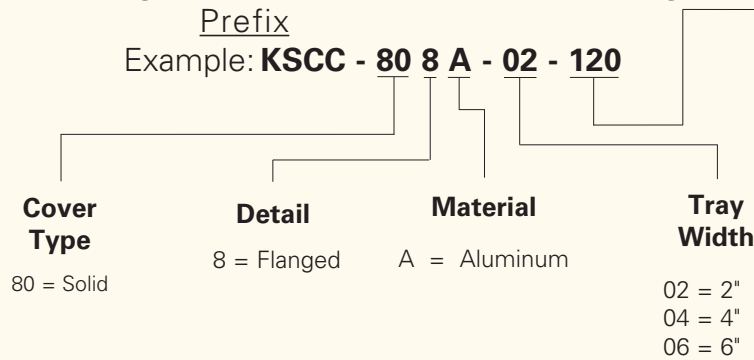
Aluminum

Standard Straight Section



Fitting Covers
Horizontal Tee (HT) shown above

Straight Section Covers Part Numbering



Item Description

Straight sections covers are only available in aluminum.

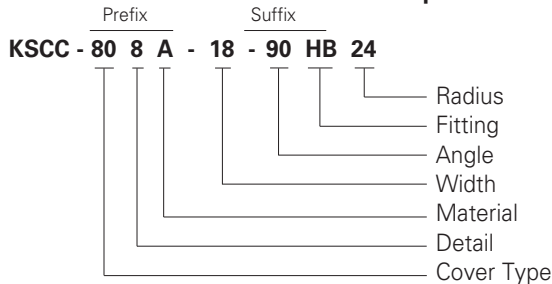
- 144 = 12 ft.
- 120 = 10 ft.
- 72 = 6 ft.
- 60 = 5 ft.

See below for fitting catalog number examples.

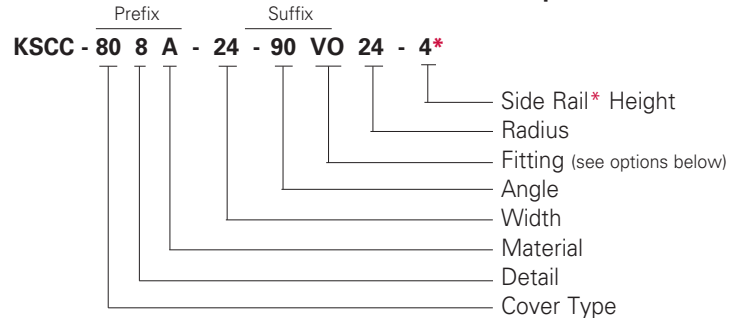
Fittings Part Numbering

To order covers for fittings, reference examples below.

Horizontal Bend Cover Example



Vertical Bend Cover Example



Fitting Options

- HB_ = Horizontal Bend
- HT_ = Horizontal Tee
- HX_ = Horizontal Cross
- VI_ = Vertical Inside Bend
- VO_ = Vertical Outside Bend

* Required for vertical outside (VO) fittings only

Fittings engineered with 3" tangents for splicing integrity.



90° Horizontal bend fitting
Patent pending



Horizontal tee
Patent pending



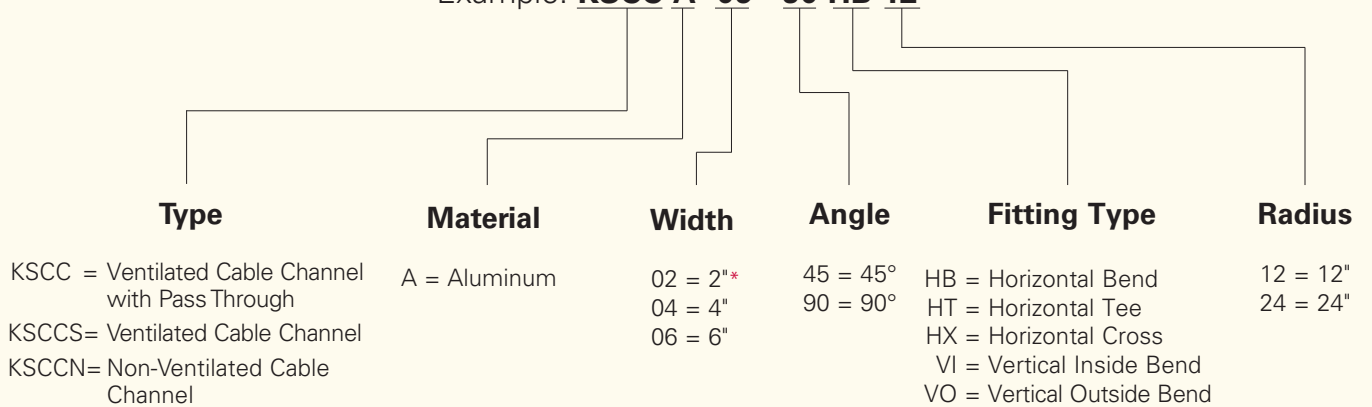
45° Horizontal bend fitting
Patent pending



Horizontal cross
Patent pending

Fittings Part Numbering

Example: **KSCC A- 06 - 90 HB 12**



* 2" width not offered with KSCC Ventilated Cable Channel with Pass Through

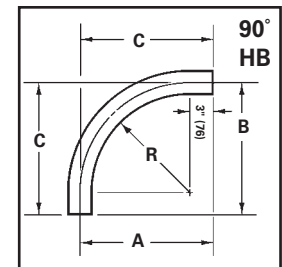
90° Horizontal Bend (HB)

- Factory mounted splice plate and hardware included



90° Horizontal Bend
Ventilated perforation style shown

Catalog No.	Bend Radius		Tray Width		90° Horizontal Bend					
	R				A		B		C	
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)
(Pre)-02-90HB12	12	(305)	2	(25)	17.0	(432)	17	(432)	17	(432)
(Pre)-04-90HB12			4	(101)	17.0	(432)	17	(432)	17	(432)
(Pre)-06-90HB12			6	(152)	17.0	(432)	17	(432)	17	(432)
(Pre)-02-90HB24	24	(610)	2	(25)	29.0	(737)	29	(737)	29	(737)
(Pre)-04-90HB24			4	(101)	29.0	(737)	29	(737)	29	(737)
(Pre)-06-90HB24			6	(152)	29.0	(737)	29	(737)	29	(737)



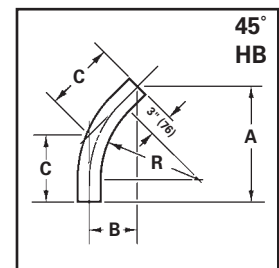
45° Horizontal Bend (HB)

- Factory mounted splice plate and hardware included



45° Horizontal Bend
Ventilated perforation style shown

Catalog No.	Bend Radius		Tray Width		45° Horizontal Bend					
	R				A		B		C	
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)
(Pre)-02-45HB12	12	(305)	2	(25)	15.0	(382)	6.222	(158)	8.799	(223)
(Pre)-04-45HB12			4	(101)	15.0	(382)	6.222	(158)	8.799	(223)
(Pre)-06-45HB12			6	(152)	15.0	(382)	6.222	(158)	8.799	(223)
(Pre)-02-45HB24	24	(610)	2	(25)	23.5	(597)	9.737	(247)	13.77	(350)
(Pre)-04-45HB24			4	(101)	23.5	(597)	9.737	(247)	13.77	(350)
(Pre)-06-45HB24			6	(152)	23.5	(597)	9.737	(247)	13.77	(350)



(Pre) = prefix. See page E-10 for catalog number prefix.

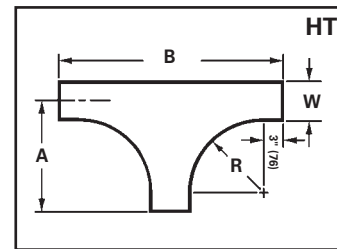
Horizontal Tee (HT)

- Factory mounted splice plate and hardware included

Catalog No.	Bend Radius		Tray Width		Horizontal Tee			
	R				A		B	
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)
(Pre)-02-HT12			2	(25)	16	(406)	32	(813)
(Pre)-04-HT12	12	(305)	4	(101)	17	(432)	34	(864)
(Pre)-06-HT12			6	(152)	18	(457)	36	(914)
(Pre)-02-HT24			2	(25)	28	(711)	56	(1422)
(Pre)-04-HT24	24	(610)	4	(101)	29	(737)	58	(1473)
(Pre)-06-HT24			6	(152)	30	(762)	60	(1524)



Horizontal Tee
Ventilated perforation style shown



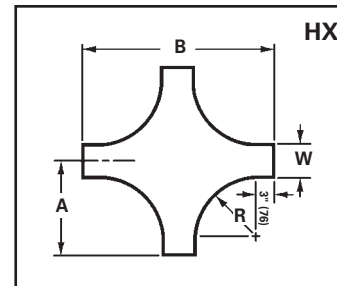
Horizontal Cross (HX)

- Factory mounted splice plate and hardware included

Catalog No.	Bend Radius		Tray Width		Horizontal Cross			
	R				A		B	
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)
(Pre)-02-HX12			2	(25)	16	(406)	32	(813)
(Pre)-04-HX12	12	(305)	4	(101)	17	(432)	34	(864)
(Pre)-06-HX12			6	(152)	18	(457)	36	(914)
(Pre)-02-HX24			2	(25)	28	(711)	56	(1422)
(Pre)-04-HX24	24	(610)	4	(101)	29	(737)	58	(1473)
(Pre)-06-HX24			6	(152)	30	(762)	60	(1524)



Horizontal Cross
Ventilated perforation style shown



(Pre) = prefix. See page E-10 for catalog number prefix.

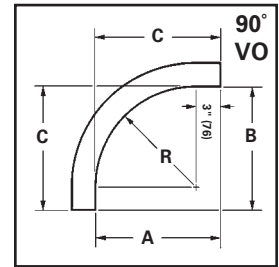
90° Vertical Outside Bends (VO)

- Factory mounted splice plate and hardware included

Catalog No.	Bend Radius		Tray Width		90° Vertical Outside Bend					
	in.	(mm)	in.	(mm)	A		B		C	
					in.	(mm)	in.	(mm)	in.	(mm)
(Pre)-02-90VO12	12	(305)	2	(25)	15	(381)	15	(381)	15	(381)
(Pre)-04-90VO12			4	(101)	15	(381)	15	(381)	15	(381)
(Pre)-06-90VO12			6	(152)	15	(381)	15	(381)	15	(381)
(Pre)-02-90VO24	24	(610)	2	(25)	27	(686)	27	(686)	27	(686)
(Pre)-04-90VO24			4	(101)	27	(686)	27	(686)	27	(686)
(Pre)-06-90VO24			6	(152)	27	(686)	27	(686)	27	(686)



90° Vertical Outside Bend
Ventilated perforation style shown



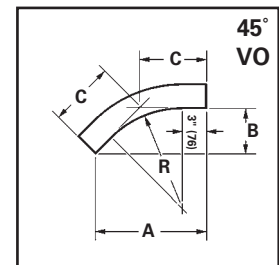
45° Vertical Outside Bends (VO)

- Factory mounted splice plate and hardware included

Catalog No.	Bend Radius		Tray Width		45° Vertical Outside Bend					
	in.	(mm)	in.	(mm)	A		B		C	
					in.	(mm)	in.	(mm)	in.	(mm)
(Pre)-02-45VO12	12	(305)	2	(25)	13.607	(346)	5.6	(143)	7.971	(202)
(Pre)-04-45VO12			4	(101)	13.607	(346)	5.6	(143)	7.971	(202)
(Pre)-06-45VO12			6	(152)	13.607	(346)	5.6	(143)	7.971	(202)
(Pre)-02-45VO24	24	(610)	2	(25)	22.092	(561)	9.2	(232)	12.941	(329)
(Pre)-04-45VO24			4	(101)	22.092	(561)	9.2	(232)	12.941	(329)
(Pre)-06-45VO24			6	(152)	22.092	(561)	9.2	(232)	12.941	(329)



45° Vertical Outside Bend
Ventilated perforation style shown



(Pre) = prefix. See page E-10 for catalog number prefix.

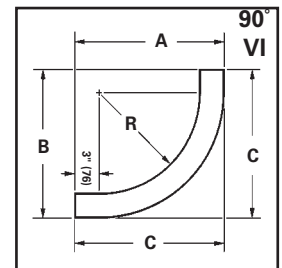
90° Vertical Inside Bends (VI)

- Factory mounted splice plate and hardware included

Catalog No.	Bend Radius		Tray Width		90° Vertical Inside Bend					
	in.	(mm)	in.	(mm)	A		B		C	
(Pre)-02-90VI12	12	(305)	2	(25)	17.0	(432)	17	(432)	17	(432)
(Pre)-04-90VI12			4	(101)	17.0	(432)	17	(432)	17	(432)
(Pre)-06-90VI12			6	(152)	17.0	(432)	17	(432)	17	(432)
(Pre)-02-90VI24	24	(305)	2	(25)	29.0	(737)	29	(737)	29	(737)
(Pre)-04-90VI24			4	(101)	29.0	(737)	29	(737)	29	(737)
(Pre)-06-90VI24			6	(152)	29.0	(737)	29	(737)	29	(737)



90° Vertical Inside Bend
Ventilated perforation style shown



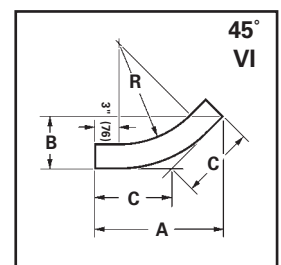
45° Vertical Inside Bends (VI)

- Factory mounted splice plate and hardware included

Catalog No.	Bend Radius		Tray Width		45° Vertical Inside Bend					
	in.	(mm)	in.	(mm)	A		B		C	
(Pre)-02-45VI12	12	(305)	2	(25)	15.0	(382)	6.222	(158)	8.799	(223)
(Pre)-04-45VI12			4	(101)	15.0	(382)	6.222	(158)	8.799	(223)
(Pre)-06-45VI12			6	(152)	15.0	(382)	6.222	(158)	8.799	(223)
(Pre)-02-45VI24	24	(305)	2	(25)	23.5	(597)	9.737	(247)	13.77	(350)
(Pre)-04-45VI24			4	(101)	23.5	(597)	9.737	(247)	13.77	(350)
(Pre)-06-45VI24			6	(152)	23.5	(597)	9.737	(247)	13.77	(350)



45° Vertical Inside Bend
Ventilated perforation style shown



(Pre) = prefix. See page E-10 for catalog number prefix.

Section 1- Acceptable Manufacturers

- 1.1 **Manufacturer:** Subject to compliance with these specifications, B-Line series channel cable tray systems shall be as manufactured by Eaton.

Section 2- Selection and Components

- 2.1 **General:** Except as otherwise indicated, provide ventilated metal channel cable trays, of types, classes and sizes indicated with splice connectors, fittings and all other necessary accessories for a complete system. Provide channel cable tray with rounded edges and smooth surfaces in compliance with applicable standards and with the following additional requirements.
- 2.2 **Materials and finishes:** Material and finishes specifications for each channel cable tray are as follows:
- A. **Aluminum:** Extruded components shall be made from Aluminum Association Alloy 6063. All fabricated parts shall be made from Aluminum Association Alloy 5052.
- 2.3 Cable channel straight sections shall consist of a singularly extruded channel shaped body that includes dove tail openings on each channel upright for the explicit purposes of:
- A. Accommodating field cuts at any point on the section of cable channel without the need for additional modification, splices, hardware and/or labor
 - B. Attachment of splices, fittings and/or accessories in the creation of the desired cable channel system
- 2.4 The cable channel shall have a post-punched pattern on the underside of the profile consistent with one of the following:
- A. Ventilating cable channel with pass through holes: a repeating uniform perforated pattern with 2.25 diameter cable pass through holes every 12 inches.
 - B. Ventilating cable channel: a repeating uniform perforated pattern for ventilation every 6 inches without pass through holes.
 - C. Non-ventilating cable channel (solid bottom).
- 2.5 Straight sections shall be supplied in standard [10 ft (3 m)] [12 ft (4 m)] [20 foot (6 m)] lengths, except where shorter lengths are permitted to facilitate cable channel assembly as shown on drawings.
- 2.6 Channel cable tray width shall be [2] [4] [6] inches with a minimum loading depth of 2 inches.
- 2.7 Fittings shall have a minimum radius of [12] [24] inches.
- 2.8 Each straight section of cable channel:
- A. Shall include pre-assembled splices and hardware.
 - B. Pre-assembled splices and hardware can be pre-installed in straight sections upon request.
- 2.9 Fittings are to be supplied with pre-installed splices.
- 2.10 Loading Capacities
- A. Cable channels shall be capable of carrying a uniformly distributed load of 10 lbs./ft. on a 20-foot support span with a safety factor of 1.5 when supported as a simple span and tested per NEMA VE 1 Section 5.2
- 2.11 Accessories to facilitate cable channel assembly as shown on drawings.
- A. Splices
 - 1. Shall be universally compatible for all cable channel widths.
 - 2. Shall be pre-assembled for immediate field installation.
 - 3. The resistance of fixed splice connections between adjacent sections of cable channel shall not exceed 0.00033 ohms.