Metallic — aluminum
Fittings — explaining the fitting styles
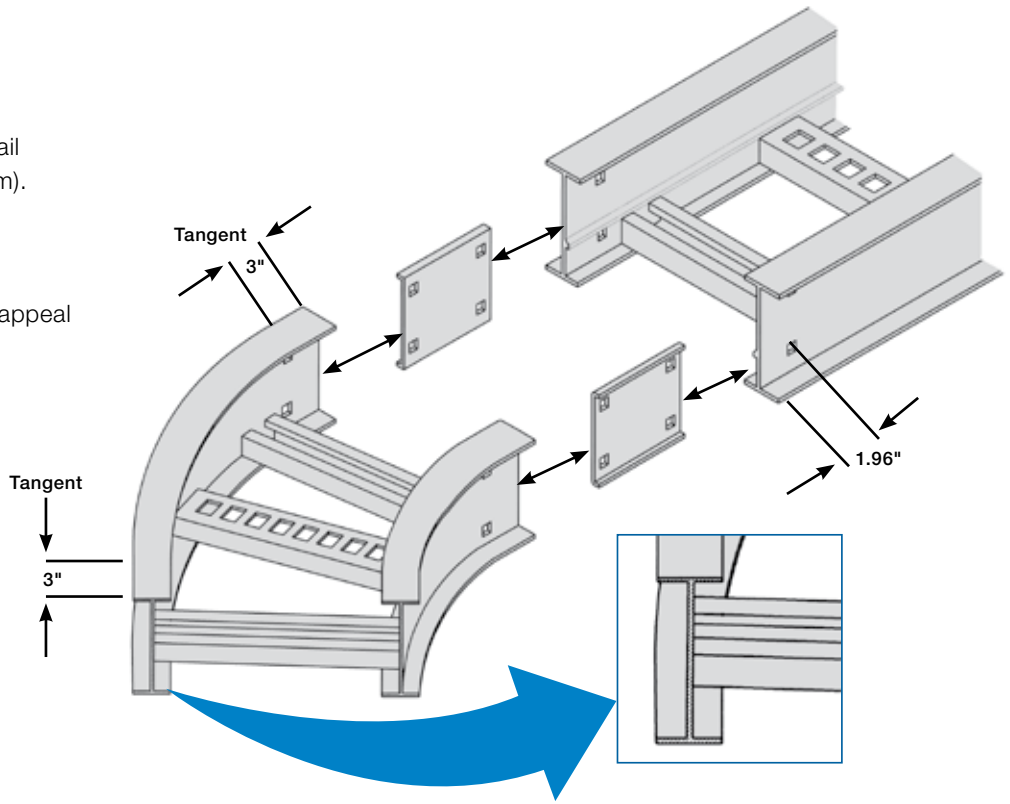
H-style

H-style fittings constructed with side rail having inner and outer flanges (H-beam).

Features and benefits
– Improved system rigidity
– Improved aesthetics and customer appeal
– Easy to install
– Easy-to-align straights and fittings
– Splice plate holds components together while hardware is inserted
– Premium design
– 3" tangents on fittings
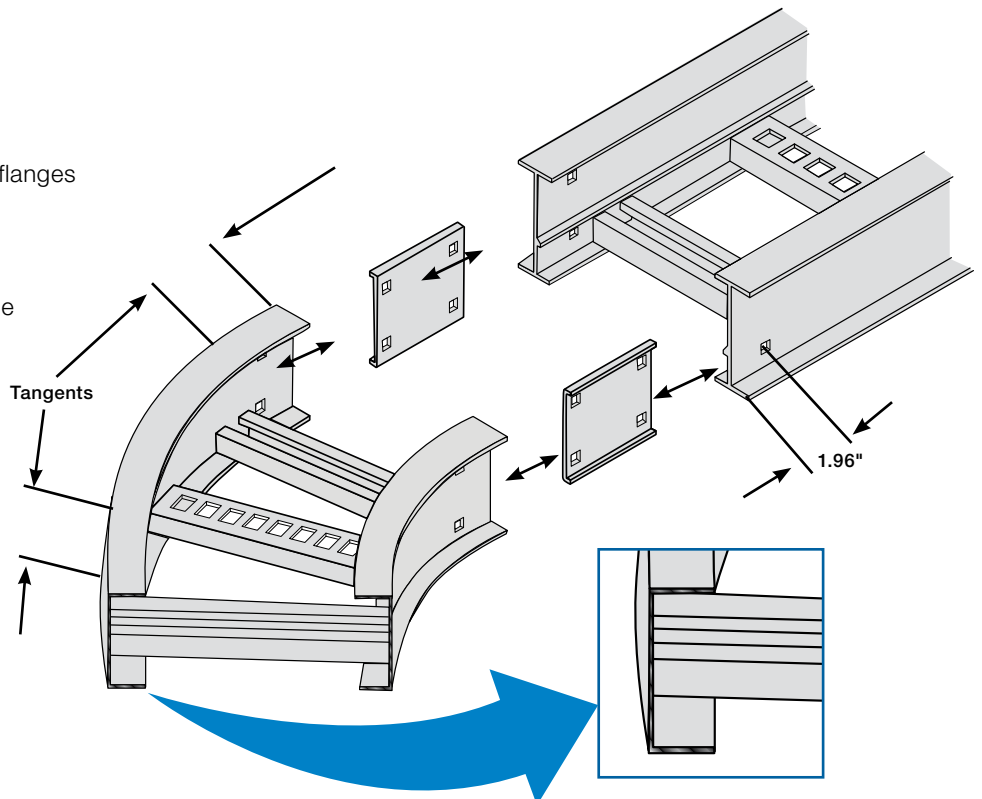– 7" length snap-in splice plate

Tangent
3"

Tangent
3"

1.96"

U-style

U-style fittings constructed with side rail flanges on the inside only (U-beam).

Features and benefits
– U-style and H-style are interchangeable
– Lowest purchase price
– Easy to install
– Occupies less space in areas where space is restrained
– Easy-to-align straights
– Splice plate holds components together while hardware is inserted
– Lighter fittings are easy to handle
– Functional design
– 7" length snap-in splice plate

Tangents

1.96"

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

Metallic — aluminum
Fittings — horizontal fittings selection

Fittings in a cable tray system are required to change cable routing direction and to join straight sections and other fittings. This step of the cable tray selection process requires that the specifier chooses between two distinct styles, U and H.

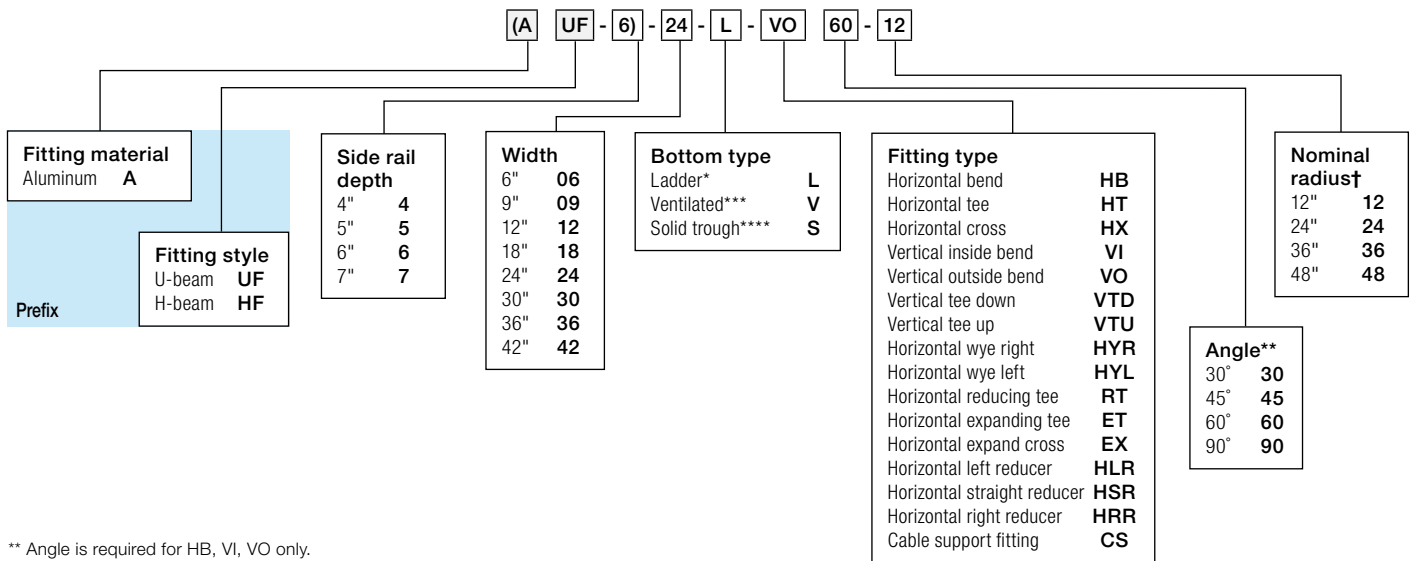Note: The U-style and H-style systems are interchangeable.

H-style fitting

– An H-shaped extrusion forms the fitting side rail.
– H-style fittings utilize a 7" splice plate and the fittings have 3" tangents at the extremities.
– This style offers enhanced aesthetics to the end user and increased system rigidity.

U-style fitting

– A U-shaped extrusion forms the fitting side rail.
– U-style fittings utilize a 7" splice plate and the fittings have tangents at the extremities.
– This style offers maximum quality versus cost ratios of the installation.

Fitting number selection

(A | UF - 6) - 24 - L - VO | 60 - 12

Fitting material		Side rail depth	Width	Bottom type	Fitting type		Nominal radius†
Aluminum **A**			6" **06**	Ladder* **L**	Horizontal bend	**HB**	12" **12**
		4" **4**	9" **09**	Ventilated*** **V**	Horizontal tee	**HT**	24" **24**
		5" **5**	12" **12**	Solid trough**** **S**	Horizontal cross	**HX**	36" **36**
	Fitting style	6" **6**	18" **18**		Vertical inside bend	**VI**	48" **48**
	U-beam **UF**	7" **7**	24" **24**		Vertical outside bend	**VO**	
Prefix	H-beam **HF**		30" **30**		Vertical tee down	**VTD**	
			36" **36**		Vertical tee up	**VTU**	**Angle****
			42" **42**		Horizontal wye right	**HYR**	30° **30**
					Horizontal wye left	**HYL**	45° **45**
					Horizontal reducing tee	**RT**	60° **60**
					Horizontal expanding tee	**ET**	90° **90**
					Horizontal expand cross	**EX**	
					Horizontal left reducer	**HLR**	
					Horizontal straight reducer	**HSR**	
					Horizontal right reducer	**HRR**	
					Cable support fitting	**CS**	

** Angle is required for HB, VI, VO only.
† Radius is not required for the following fitting types: HYR, HYL, HLR, HRR, HSR
* Manufactured with 9" rung spacing measured at the center line of fitting.
*** Manufactured with 4" edge to edge rung spacing measured at the center line of fitting.
**** Manufactured with flat sheet inserted under rungs with 9" rung spacing measured at the center line of fitting.
NOTE: The following special options are available. To order, add the indicated suffix to the very end of the catalog number.
FO = Flange out
G = Ground holes (specify locations and size)
H = Stainless steel type 316 hardware nuts and bolts
MR = Marine rung alternated
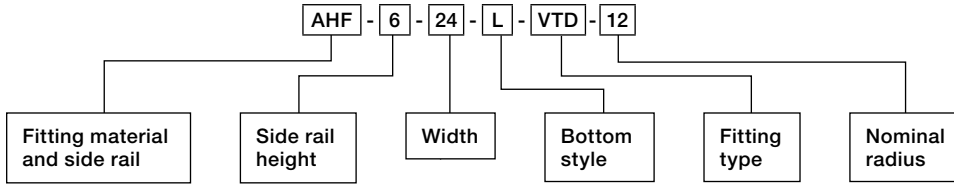UM = Marine rung holes up
RU = Rung with square holes on top
FR = Flat rung

Metallic — aluminum
Fittings — H-style fittings vertical tees up/down

Catalog number system

AHF - 6 - 24 - L - VTD - 12

- Fitting material and side rail
- Side rail height
- Width
- Bottom style
- Fitting type
- Nominal radius

Selection guide
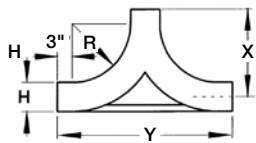Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42"

Radius: 12, 24, 36, 48"
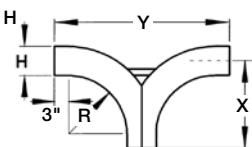
Bottom styles: L – ladder, V – ventilated, S – solid

Side rail heights: 4" – 7"

Vertical tee up/down — H-style

Up

Down

Nominal Radius (in.)	Width (in.)	Vertical tee up Cat. No.	Vertical tee down Cat. No.	Side rail height "H"							
				4"		5"		6"		7"	
				X	Y	X	Y	X	Y	X	Y
12	6	AHF(†)-06-(*)-VTU12	AHF(†)-06-(*)-VTD12	17¹⁄₁₆	34³⁄₁₆	17⁹⁄₁₆	35¹⁄₁₆	18¹⁄₈	36¹⁄₄	18⁵⁄₈	37¹⁄₄
	9	AHF(†)-09-(*)-VTU12	AHF(†)-09-(*)-VTD12								
	12	AHF(†)-12-(*)-VTU12	AHF(†)-12-(*)-VTD12								
	18	AHF(†)-18-(*)-VTU12	AHF(†)-18-(*)-VTD12								
	24	AHF(†)-24-(*)-VTU12	AHF(†)-24-(*)-VTD12								
	30	AHF(†)-30-(*)-VTU12	AHF(†)-30-(*)-VTD12								
	36	AHF(†)-36-(*)-VTU12	AHF(†)-36-(*)-VTD12								
	42	AHF(†)-42-(*)-VTU12	AHF(†)-42-(*)-VTD12								
24	6	AHF(†)-06-(*)-VTU24	AHF(†)-06-(*)-VTD24	29¹⁄₁₆	58³⁄₁₆	29⁹⁄₁₆	59¹⁄₁₆	30¹⁄₈	60¹⁄₄	30⁵⁄₈	61¹⁄₄
	9	AHF(†)-09-(*)-VTU24	AHF(†)-09-(*)-VTD24								
	12	AHF(†)-12-(*)-VTU24	AHF(†)-12-(*)-VTD24								
	18	AHF(†)-18-(*)-VTU24	AHF(†)-18-(*)-VTD24								
	24	AHF(†)-24-(*)-VTU24	AHF(†)-24-(*)-VTD24								
	30	AHF(†)-30-(*)-VTU24	AHF(†)-30-(*)-VTD24								
	36	AHF(†)-36-(*)-VTU24	AHF(†)-36-(*)-VTD24								
	42	AHF(†)-42-(*)-VTU24	AHF(†)-42-(*)-VTD24								
36	6	AHF(†)-06-(*)-VTU36	AHF(†)-06-(*)-VTD36	41¹⁄₁₆	82³⁄₁₆	41⁹⁄₁₆	83¹⁄₁₆	42¹⁄₈	84¹⁄₄	42⁵⁄₈	85¹⁄₄
	9	AHF(†)-09-(*)-VTU36	AHF(†)-09-(*)-VTD36								
	12	AHF(†)-12-(*)-VTU36	AHF(†)-12-(*)-VTD36								
	18	AHF(†)-18-(*)-VTU36	AHF(†)-18-(*)-VTD36								
	24	AHF(†)-24-(*)-VTU36	AHF(†)-24-(*)-VTD36								
	30	AHF(†)-30-(*)-VTU36	AHF(†)-30-(*)-VTD36								
	36	AHF(†)-36-(*)-VTU36	AHF(†)-36-(*)-VTD36								
	42	AHF(†)-42-(*)-VTU36	AHF(†)-42-(*)-VTD36								
48	6	AHF(†)-06-(*)-VTU48	AHF(†)-06-(*)-VTD48	53¹⁄₁₆	106³⁄₁₆	53⁹⁄₁₆	107¹⁄₁₆	54¹⁄₈	108¹⁄₄	54⁵⁄₈	109¹⁄₄
	9	AHF(†)-09-(*)-VTU48	AHF(†)-09-(*)-VTD48								
	12	AHF(†)-12-(*)-VTU48	AHF(†)-12-(*)-VTD48								
	18	AHF(†)-18-(*)-VTU48	AHF(†)-18-(*)-VTD48								
	24	AHF(†)-24-(*)-VTU48	AHF(†)-24-(*)-VTD48								
	30	AHF(†)-30-(*)-VTU48	AHF(†)-30-(*)-VTD48								
	36	AHF(†)-36-(*)-VTU48	AHF(†)-36-(*)-VTD48								
	42	AHF(†)-42-(*)-VTU48	AHF(†)-42-(*)-VTD48								

(†) Insert side rail height. (*) Insert bottom style to complete Cat. No. Includes two pairs of splice plates with hardware.
T&B aluminum cable tray is composed of two distinct systems, H-style and U-Style. These systems are interchangeable.