

T&B® Cable Tray Aluminum

Fitting – Number 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 not interchangeable. Once you have selected a system, you must be consistent.

U-Style Fitting

A U-shaped extrusion forms the fitting siderail.

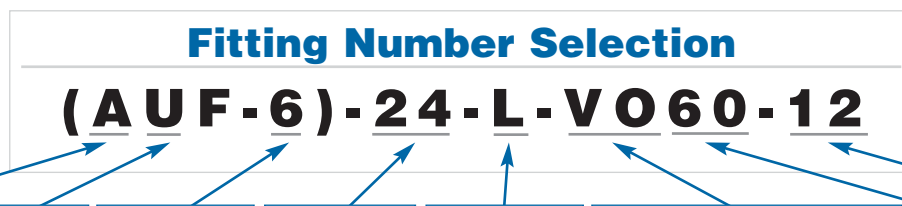
U-Style fittings utilize a 4" splice plate and the fittings do not have tangents at the extremities. This style offers maximum quality versus cost ratios of the installation.

H-Style Fitting

An H-shaped extrusion forms the fitting siderail.

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.

H
T&B® Cable Tray



Fitting Material	Fitting Style	Siderail Depth	Width	Bottom Type	Fitting Type	Angle **	Radius †
A • Aluminum	U • U-Beam	4 • (4")	06 • (6")	* L • Ladder	HB • Horizontal Bend HT • Horizontal Tee HX • Horizontal Cross VI • Vertical Inside Bend VO • Vertical Outside Bend VTD • Vertical Tee Down VTU • Vertical Tee Up HYR • Horizontal Wye Right HYL • Horizontal Wye Left RT • Horizontal Reducing Tee ET • Horizontal Expanding Tee EX • Horiz. Expand Cross HLR • Horizontal Left Reducer HSR • Horizontal Straight Reducer HRR • Horizontal Right Reducer CS • Cable Support Fitting	30 • (30°)	12 • (12")
	H • H-Beam	5 • (5")	09 • (9")	*** V • Ventilated		45 • (45°)	24 • (24")
		6 • (6")	12 • (12")	**** S • Solid Trough		60 • (60°)	36 • (36")
		7 • (7")	18 • (18")			90 • (90°)	48 • (48")
			24 • (24")				
			30 • (30")				
			36 • (36")				
			42 • (42")				

** 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.

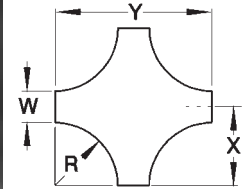
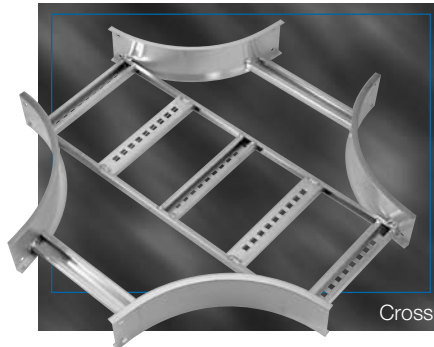
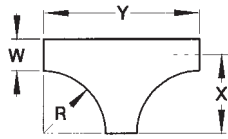
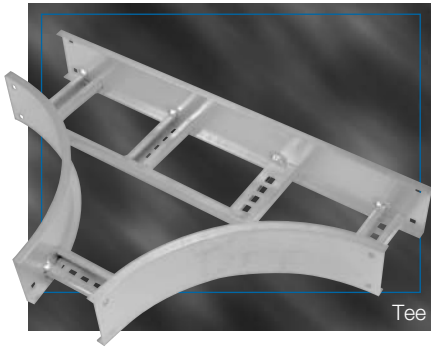
*** Manufactured with 4" rung spacing measured at the center line of fitting.

**** Manufactured with flat sheet inserted under rungs with 9" rung spacing measured at the center line of fitting.

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T&B® Cable Tray Aluminum

U-Style Fittings – Horizontal – Tee, Cross



Part Numbering System

AUF-5-06-L-HT-12

Fitting Material and Siderail Width Fitting Radius Siderail Bottom Depth Style Type

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 Depth: 4"– 7"

Technical Specifications

Horizontal TEE — U-Style

Radius R	Width	Catalogue Number	Dimensions	
			X	Y
12	6	AUF(†)-06-(*)-HT12	15	30
	9	AUF(†)-09-(*)-HT12	16-1/2	33
	12	AUF(†)-12-(*)-HT12	18	36
	18	AUF(†)-18-(*)-HT12	21	42
	24	AUF(†)-24-(*)-HT12	24	48
	30	AUF(†)-30-(*)-HT12	27	54
	36	AUF(†)-36-(*)-HT12	30	60
24	42	AUF(†)-42-(*)-HT12	33	66
	6	AUF(†)-06-(*)-HT24	27	54
	9	AUF(†)-09-(*)-HT24	28-1/2	57
	12	AUF(†)-12-(*)-HT24	30	60
	18	AUF(†)-18-(*)-HT24	33	66
	24	AUF(†)-24-(*)-HT24	36	72
	30	AUF(†)-30-(*)-HT24	39	78
36	36	AUF(†)-36-(*)-HT24	42	84
	42	AUF(†)-42-(*)-HT24	45	90
	6	AUF(†)-06-(*)-HT36	39	78
	9	AUF(†)-09-(*)-HT36	40-1/2	81
	12	AUF(†)-12-(*)-HT36	42	84
	18	AUF(†)-18-(*)-HT36	45	90
	24	AUF(†)-24-(*)-HT36	48	96
48	30	AUF(†)-30-(*)-HT36	51	102
	36	AUF(†)-36-(*)-HT36	54	108
	42	AUF(†)-42-(*)-HT36	57	114
	6	AUF(†)-06-(*)-HT48	51	102
	9	AUF(†)-09-(*)-HT48	52-1/2	105
	12	AUF(†)-12-(*)-HT48	54	108
	18	AUF(†)-18-(*)-HT48	57	114
24	AUF(†)-24-(*)-HT48	60	120	
30	AUF(†)-30-(*)-HT48	63	126	
36	AUF(†)-36-(*)-HT48	66	132	
42	AUF(†)-42-(*)-HT48	69	138	

Horizontal CROSS — U-Style

Radius R	Width	Catalogue Number	Dimensions	
			X	Y
12	6	AUF(†)-06-(*)-HX12	15	30
	9	AUF(†)-09-(*)-HX12	16-1/2	33
	12	AUF(†)-12-(*)-HX12	18	36
	18	AUF(†)-18-(*)-HX12	21	42
	24	AUF(†)-24-(*)-HX12	24	48
	30	AUF(†)-30-(*)-HX12	27	54
	36	AUF(†)-36-(*)-HX12	30	60
24	42	AUF(†)-42-(*)-HX12	33	66
	6	AUF(†)-06-(*)-HX24	27	54
	9	AUF(†)-09-(*)-HX24	28-1/2	57
	12	AUF(†)-12-(*)-HX24	30	60
	18	AUF(†)-18-(*)-HX24	33	66
	24	AUF(†)-24-(*)-HX24	36	72
	30	AUF(†)-30-(*)-HX24	39	78
36	36	AUF(†)-36-(*)-HX24	42	84
	42	AUF(†)-42-(*)-HX24	45	90
	6	AUF(†)-06-(*)-HX36	39	78
	9	AUF(†)-09-(*)-HX36	40-1/2	81
	12	AUF(†)-12-(*)-HX36	42	84
	18	AUF(†)-18-(*)-HX36	45	90
	24	AUF(†)-24-(*)-HX36	48	96
48	30	AUF(†)-30-(*)-HX36	51	102
	36	AUF(†)-36-(*)-HX36	54	108
	42	AUF(†)-42-(*)-HX36	57	114
	6	AUF(†)-06-(*)-HX48	51	102
	9	AUF(†)-09-(*)-HX48	52-1/2	105
	12	AUF(†)-12-(*)-HX48	54	108
	18	AUF(†)-18-(*)-HX48	57	114
24	AUF(†)-24-(*)-HX48	60	120	
30	AUF(†)-30-(*)-HX48	63	126	
36	AUF(†)-36-(*)-HX48	66	132	
42	AUF(†)-42-(*)-HX48	69	138	

(†) Insert side rail depth. (*) Insert bottom style to complete Catalogue Number. Tees include 2 pairs / Crosses include 3 pairs of splice plates with hardware.

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Thomas & Betts