

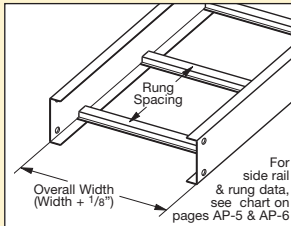
Series 1 Steel - Straight Sections

3" NEMA VE 1 Loading Depth Actual Loading Depth = 3.077"

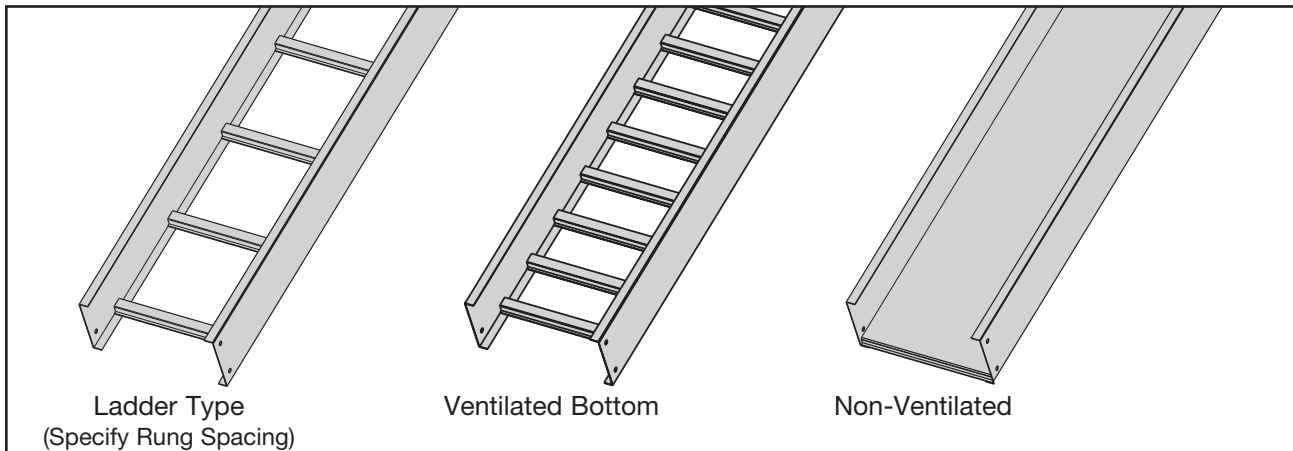
Straight Section Part Numbering

Prefix
Example: **148 P 09 - 24 - 144**

Series	Material	Type	Width	Length
148	● P = Pre-Galvanized Steel	Ladder- ● 06 = 6" rung spacing ● 09 = 9" rung spacing ● 12 = 12" rung spacing	● 06 = 6"	● 144 = 12 ft. 148
	● G = Hot Dip Galvanized After Fabrication Steel		● 09 = 9" ● 12 = 12" ● 18 = 18" ● 24 = 24" ● 30 = 30" ● 36 = 36"	● 120 = 10 ft. 148
		Trough- 6" thru 24" wide ● 04 = Vented Bottom ● SB = Non-Ventilated Bottom		① Primary Length. ② Secondary Length. See page CTS-23 for explanation of lengths.



See page APP-1 for additional rung options. *SB available for all widths.



Values are based on simple beam tests per NEMA VE 1 on 36" wide cable tray with rungs spaced on 12" centers. The published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the cable tray being installed.

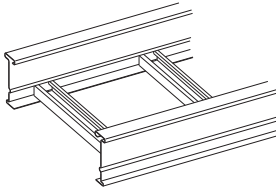
B-Line Series	Side Rail Dimensions	NEMA, CSA & UL Classifications	Span ft	Load lbs/ft	Deflection Multiplier	Design Factors for Two Rails	Span meters	Load kg/m	Deflection Multiplier	Design Factors for Two Rails
148		NEMA: 12A, 8C CSA: C1-3m UL Cross-Sectional Area: 0.40 in ²	6	204*	0.0011	Area=0.51 in ² Sx=0.48 in ³ Ix=0.89 in ⁴	1.8	304*	0.019	Area=3.29 cm ² Sx=7.87 cm ³ Ix=37.04 cm ⁴
			8	115	0.0036		2.4	171	0.061	
			10	73	0.0087		3.0	109	0.149	
			12	51	0.0181		3.7	76	0.309	

*When using 12" rung spacing load capacity is limited to 195 lbs/ft (290.16 kg/m) for 36" tray width. When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%. Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

● Green = Fastest shipped items ● Black = Normal lead-time items ● Red = Normally long lead-time items

These options are in addition to the Standard Ladder Rungs, Ventilated Trough and Solid Trough type Cable Trays.

Ladder with Strut Rungs



- B44 strut installed as rungs.
- Strut orientation may be channel opening up, channel opening down, or alternating - standard is alternating unless specified otherwise.
- Strut may be solid back or with slotted hole pattern "SH".
- The B-Line strut rung system offers additional cable clamping options relative to the chosen slot orientation.

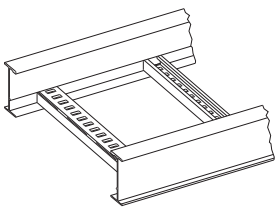
Examples: 248G09B44-12-144

Strut rung on 9" centers with alternating slot orientation.

248G12B44SHDN-12-144

"SH" Strut rung on 12" centers with channel opening down (Note: replace "DN" with "UP" for channel opening up.)

Marine Rung (Available in Aluminum, HDGAF Steel and Stainless Steel)



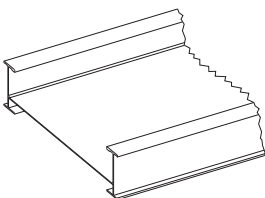
(Aluminum Shown)

- Designed for Series 2 or heavier systems.
- Special rung design to accommodate stainless steel banding of cables (U.S. Coast Guard requirement) with .25" x .69" slots.
- Has applications on land, vertical installation, any location where extra cable positioning/attachment is required.
- Rung strength - Aluminum supports 499 lbs. per rung on 36" wide system with a 1.5 safety factor. Steel supports 755 lbs. per rung on 36" wide system with a 1.5 safety factor.
- New design provides combination of strut fastening and marine rung fastening.

Example: 46A12MR-36-288 or 464G12MR-36-288

Special Rung Spacings: 4" & 18" rung spacing available upon request.

Non-Ventilated



- Solid flat sheet welded into the Cable Tray above the rungs.
- Standard rung spacing is 12 inches.
- The flat sheet may be installed under the rungs, if preferred.
- The flat sheet may be installed over B54 rungs "slot down".

Examples: 24ASB-36-144

Flat sheet bottom over standard rung on 12" spacing.

24ASBB54-36-144

Flat sheet bottom over B54 strut rung slot down on 12" spacing.