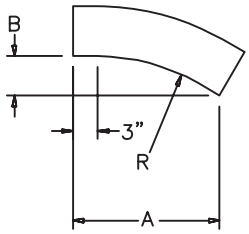
Cable Tray / Ladder Tray

OV30-45

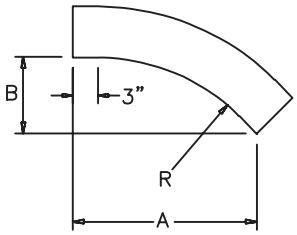
Cable Tray Fittings

Manufactured in the USA by MonoSystems, Inc.

30° & 45° OUTSIDE VERTICAL SMOOTH RADIUS RISERS



30° OVR



45° OVR

Notes

1.) Splice connectors and included hardware are provided for each fitting.

CLASSIFIED UL

ORDERING DATA EXAMPLE:

OV30° -12 06 4 L A -RAD

FITTING
OV30 = 30° OUTSIDE VERTICAL RISER
OV45 = 45° OUTSIDE VERTICAL RISER

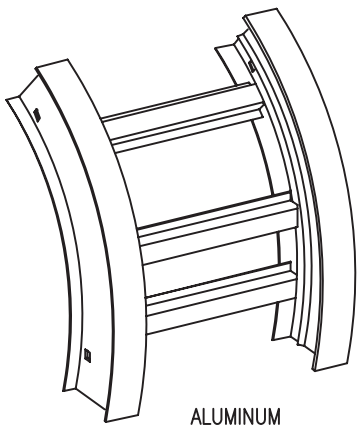
RADIUS
12 = 12"
18 = 18"
24 = 24"
36 = 36"

WIDTH
6 = 6"
9 = 9"
12 = 12"
18 = 18"
24 = 24"
30 = 30"
36 = 36"
42 = 42"

HEIGHT
4 = 4" (3" DEPTH)
5 = 5" (4" DEPTH)
6 = 6" (5" DEPTH)
7 = 7" (6" DEPTH)

TRAY TYPE
L = LADDER
V = VENTED
S = SOLID BOTTOM

TRAY MATERIAL
A = ALUMINUM
T = ALUMINUM POWDER COAT



ALUMINUM
30° OVR
45° OVR

ABNEX
An ABB and Niedax Joint Venture

Niedax MonoSystems | 716.821.1344
180 Hopkins Street | Buffalo, NY 14220
quotes.monosystems@abnex.com | www.abnex.com

Radius R	Tray Width W	30° Outside Vertical Riser			Radius R	Tray Width W	45° Outside Vertical Riser		
		Series B,C, & D Catalog number	A (in.)	B (in.)			Series B,C, & D Catalog number	A (in.)	B (in.)
12	06	OV30-1206(xxx)-RAD	11.6	3.1	12	06	OV45-1206(xxx)-RAD	13.6	5.6
	09	OV30-1209(xxx)-RAD	11.6	3.1		09	OV45-1209(xxx)-RAD	13.6	5.6
	12	OV30-1212(xxx)-RAD	11.6	3.1		12	OV45-1212(xxx)-RAD	13.6	5.6
	18	OV30-1218(xxx)-RAD	11.6	3.1		18	OV45-1218(xxx)-RAD	13.6	5.6
	24	OV30-1224(xxx)-RAD	11.6	3.1		24	OV45-1224(xxx)-RAD	13.6	5.6
	30	OV30-1230(xxx)-RAD	11.6	3.1		30	OV45-1230(xxx)-RAD	13.6	5.6
	36	OV30-1236(xxx)-RAD	11.6	3.1		36	OV45-1236(xxx)-RAD	13.6	5.6
	42	OV30-1242(xxx)-RAD	11.6	3.1		42	OV45-1242(xxx)-RAD	13.6	5.6
24	06	OV30-2406(xxx)-RAD	17.6	4.7	24	06	OV45-2406(xxx)-RAD	22.1	9.2
	09	OV30-2409(xxx)-RAD	17.6	4.7		09	OV45-2409(xxx)-RAD	22.1	9.2
	12	OV30-2412(xxx)-RAD	17.6	4.7		12	OV45-2412(xxx)-RAD	22.1	9.2
	18	OV30-2418(xxx)-RAD	17.6	4.7		18	OV45-2418(xxx)-RAD	22.1	9.2
	24	OV30-2424(xxx)-RAD	17.6	4.7		24	OV45-2424(xxx)-RAD	22.1	9.2
	30	OV30-2430(xxx)-RAD	17.6	4.7		30	OV45-2430(xxx)-RAD	22.1	9.2
	36	OV30-2436(xxx)-RAD	17.6	4.7		36	OV45-2436(xxx)-RAD	22.1	9.2
	42	OV30-2442(xxx)-RAD	17.6	4.7		42	OV45-2442(xxx)-RAD	22.1	9.2
36	06	OV30-3606(xxx)-RAD	23.6	6.3	36	06	OV45-3606(xxx)-RAD	30.6	12.7
	09	OV30-3609(xxx)-RAD	23.6	6.3		09	OV45-3609(xxx)-RAD	30.6	12.7
	12	OV30-3612(xxx)-RAD	23.6	6.3		12	OV45-3612(xxx)-RAD	30.6	12.7
	18	OV30-3618(xxx)-RAD	23.6	6.3		18	OV45-3618(xxx)-RAD	30.6	12.7
	24	OV30-3624(xxx)-RAD	23.6	6.3		24	OV45-3624(xxx)-RAD	30.6	12.7
	30	OV30-3630(xxx)-RAD	23.6	6.3		30	OV45-3630(xxx)-RAD	30.6	12.7
	36	OV30-3636(xxx)-RAD	23.6	6.3		36	OV45-3636(xxx)-RAD	30.6	12.7
	42	OV30-3642(xxx)-RAD	23.6	6.3		42	OV45-3642(xxx)-RAD	30.6	12.7
48	06	OV30-4806(xxx)-RAD	29.6	7.9	48	06	OV45-4806(xxx)-RAD	39.1	16.2
	09	OV30-4809(xxx)-RAD	29.6	7.9		09	OV45-4809(xxx)-RAD	39.1	16.2
	12	OV30-4812(xxx)-RAD	29.6	7.9		12	OV45-4812(xxx)-RAD	39.1	16.2
	18	OV30-4818(xxx)-RAD	29.6	7.9		18	OV45-4818(xxx)-RAD	39.1	16.2
	24	OV30-4824(xxx)-RAD	29.6	7.9		24	OV45-4824(xxx)-RAD	39.1	16.2
	30	OV30-4830(xxx)-RAD	29.6	7.9		30	OV45-4830(xxx)-RAD	39.1	16.2
	36	OV30-4836(xxx)-RAD	29.6	7.9		36	OV45-4836(xxx)-RAD	39.1	16.2
	42	OV30-4842(xxx)-RAD	29.6	7.9		42	OV45-4842(xxx)-RAD	39.1	16.2

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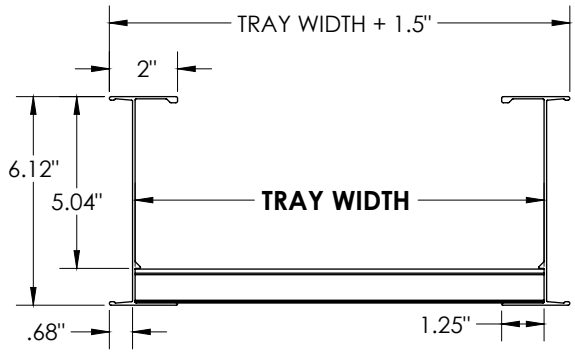
Cable Tray / Ladder / Aluminum
B6A Series

NEMA Load Class: 20A/16B

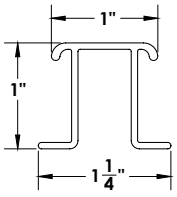
PowerTray™

Manufactured by MonoSystems, Inc.

B6A/STRAIGHT SECTION

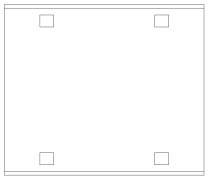


Siderail: 6.12"
Load Depth: 5.04"



RUNG SECTION VIEW

CONNECTOR



General Information

TRAY DESIGN: Construction and markings are per NEMA Standards Pub. VE1.

TRAY GROUNDING CAPABILITY: Classified as an equipment grounding conductor per N.E.C. 392.7 with a maximum 1600 ampere rating. UL Cross Sectional area: 1.70 in^2

CONNECTORS: Available in non-wedge (P/N: **Ax-2001-PR)** and wedge-lock styles (P/N: **Ax-2001-FP-PR)** upon request. Splice resistance is less than 0.00033 ohms. Standard hardware: 3/8 in. cadmium-plated with clear zinc topcoat. Stainless steel hardware is available upon request. Depicted splice plate is for demonstration purposes only. Do not scale.

Material: Aluminum 6063-T6 Alloy

LOAD CHART*

POWER-TRAY RAIL DATA	RAIL TYPE: B6A					
SPAN (ft)	10	12	14	16	18	20
MAX LOAD (lbs/ft)	204	142	104	80	63	51
DEFLECTION MULTIPLIER	0.0028	0.006	0.011	0.019	0.03	0.045

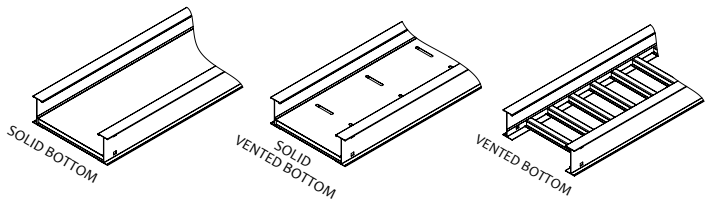
CLASSIFIED UL FILE: E80034

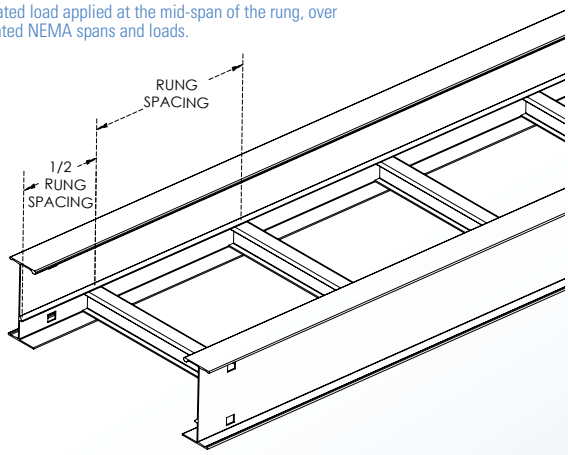
Classified by UL as equipment grounding conductors per NEC 392.7.

* Values are based on simple beam tests per NEMA VE 1 on 36" wide cable tray with rungs spaced on 12" centers. Cable trays will support, without collapse, a 200 lb. (90.7 kg) concentrated load over and above published loads. 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.

Individual rungs will support without collapse a 200 lb. (90.7 kg) concentrated load applied at the mid-span of the rung, over and above the NEMA rated cable load with a 1.5 safety factor for highlighted NEMA spans and loads.





ORDERING DATA EXAMPLE:

PowerTray, 6.12" High Ladder, Aluminum, 12" Rung Spacing, 24" Wide, 12' Long

B6 A 12 - 24 - 144 - FP - K

RAIL SERIES
B6

MATERIAL
A = ALUMINUM 6063 - T6 ALLOY

RUNG SPACING
06 = 6"
09 = 9"
12 = 12"
18 = 18"
04 = VENTED BOTTOM
SB = SOLID BOTTOM
SBV = SOLID VENTED BOTTOM

TRAY WIDTH
06 = 6"
09 = 9"
12 = 12"
18 = 18"
24 = 24"
30 = 30"
36 = 36"
42 = 42"

TRAY LENGTH
144 = 12'
240 = 20'

PLATE
NONE = WEDGE-LOCK PLATE
FP = FLAT PLATE (NON-WEDGE)

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