

PW Cable Tray Ladder, Trough & Solid Bottom

Metallic — Straight Sections

ALUM

Widths (W)

6	9	12	18	24	30	36	in
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Rail Heights (H)

4	5	6	7	8	10	in
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Lengths (L)

10	12	20	24	ft
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A Aluminum

RAIL HEIGHT	LOAD DEPTH	RAIL FLANGE*	NEMA CLASS	CSA CLASS	TRAY SYSTEM NUMBER		AMP RATING
4"	3"	1"	12A	C	4D02	4D03	1000
			12B	C	4D08	4D09	1000
			12C, 16A	D, 3M	4D05	4D06	1000
		1 3/4"	20A, 16B	D, 6M	4D10	4D11	1200
			20B, 16C	E, 6M	4D12	4D13	1600
5"	4"	1"	12A	C	4E00	4E01	1000
			12B	C	4E02	4E03	1000
			12C, 16A	D, 3M	4E04	4E05	1000
		1 3/4"	20B, 16C	D, 6M	4E12	4E13	1600
			20C	E, 6M	4E14	4E15	1600
6"	5"	1"	12B	C	4F05	4F06	1000
			12C, 16A	D, 3M	4F09	4F10	1000
			20A, 16B	-	4F11	4F12	1200
		1 3/4"	20B, 16C	D, 6M	4F03	4F04	1600
			20C	E, 6M	4F13	4F14	1600
			20C+	E, 6M	4F44	4F45	1600
7"	6"	1"	12C, 16A	D, 3M	4733	4713	1000
			20B, 16C	E, 6M	4730	4710	1600
			20C	E, 6M	4732	4712	1600
		1 3/4"			4737	4734	1600
					4738	4741	1600

4E14, 4730, 4732, 4737 and 4738 corrugated bottom tray systems do not have CSA load class ratings. SF tray systems do not have CSA load class ratings.

LONG-SPAN/HEAVY DUTY

Trays for extremely heavy loads and long spans have I-beam side rails and are available in lengths up to 40'.

RAIL HEIGHT	LOAD DEPTH	RAIL FLANGE	NEMA CLASS	CSA CLASS	TRAY SYSTEM NUMBER		AMP RATING
8"	7"	3"	20C+	E, 6M	4823†		2000
	6"	2 1/2"			4812†		2000
	10"	8"			4"	4904†	

† Available in ladder style only, 20' or longer lengths, 12" - 36" widths

CONNECTORS & FITTINGS:

Necessary connectors and fasteners are supplied with all trays and fittings. Extra connectors for field cuts or spares must be ordered separately.

SAFE LOAD:

Allowable cable load in pounds per linear foot uniformly distributed. Based on tray with standard rung on 9" centers and supported on simple beam with safety factor of 1.5 per NEMA VE1.

CONCENTRATED LOAD:

All ladders with solid rungs and trays with corrugated bottoms will support a 200 lb. concentrated load applied at the center of the tray in addition to the NEMA-rated cable load without collapse (except NEMA Class 12A trays).

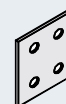
*Rail flange size determines which series connectors are needed.

Match with color shading above to determine the connectors you need.

SERIES 1

Fitting side rails have 2" tangents (flat portion beyond curvature) at the end of each fitting, to accommodate splice plates with four holes.

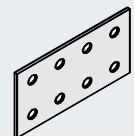
CONNECTOR



SERIES 2

Fitting side rails have 5" tangents at the end of each fitting, to accommodate splice plates with eight holes.

CONNECTOR



		SUPPORT SPAN (FT.)																							
		6	8	10	12	14	16	18	20	22	24	26	28	30											
SAFE LOAD DATA (LBS./FT.) / DEFLECTION (IN.) / SAFETY FACTOR 1.5																									
224	0.43	126	0.77	81	1.20	56	1.73																		
312	0.46	176	0.80	112	1.27	78	1.83	55	2.40	41	3.03														
400	0.49	225	0.86	144	1.35	100	1.94	71	2.57	52	3.20	36	3.57	28	4.19										
526	0.44	325	0.85	208	1.32	144	1.90	106	2.59	81	3.39	64	4.28	52	5.29	42	6.25	35	7.41						
526	0.82	469	0.92	300	1.43	208	2.06	153	2.80	117	3.66	93	4.63	75	5.72	61	6.81	50	7.92						
200	0.22	113	0.39	72	0.60	50	0.87																		
300	0.27	169	0.47	108	0.74	75	1.06	53	1.39	39	1.75														
400	0.28	225	0.50	144	0.78	100	1.12	71	1.48	52	1.85	36	2.06	28	2.42										
526	0.21	469	0.60	300	0.95	208	1.36	153	1.85	117	2.42	93	3.06	75	3.78	61	4.50	50	5.23						
		526	0.56	424	1.10	294	1.59	216	2.16	166	2.82	131	3.57	106	4.41	86	5.21	70	6.01						
312	0.21	176	0.38	112	0.59	78	0.85	55	1.12	41	1.41														
424	0.24	239	0.42	153	0.66	106	0.95	75	1.24	55	1.55	38	1.73	30	2.08										
526	0.22	313	0.40	200	0.63	139	0.91	102	1.24	78	1.62	62	2.05	50	2.53	40	2.99	33	3.44						
526	0.15	469	0.43	300	0.67	208	0.96	153	1.31	117	1.71	93	2.16	75	2.67	61	3.18	50	3.70						
		526	0.42	400	0.78	278	1.12	204	1.53	156	2.00	123	2.53	100	3.12	81	3.68	66	4.30						
				526	0.66	464	1.20	341	1.64	261	2.14	206	2.71	167	3.34	135	3.95	111	4.60	89	5.07	72	5.55	58	5.89
400	0.15	225	0.27	144	0.42	100	0.61	71	0.81	52	1.01	36	1.12	28	1.32										
526	0.11	469	0.32	300	0.50	208	0.72	153	0.98	117	1.29	93	1.63	75	2.01	61	2.39	50	2.78						
		526	0.30	400	0.55	278	0.78	204	1.07	156	1.40	123	1.77	100	2.18	81	2.57	66	3.00						
				526	0.58	411	0.93	302	1.26	231	1.65	183	2.09	148	2.58	119	3.05	98	3.53	79	3.91	64	4.26	52	4.57
				526	0.37	526	0.76	490	1.31	375	1.71	296	2.17	240	2.68	194	3.18	159	3.67	133	4.24	113	4.87	96	5.41

		SUPPORT SPAN (FT.)															
		20	22	24	26	28	30	34	36	40							
SAFE LOAD DATA (LBS./FT.) / DEFLECTION (IN.) / SAFETY FACTOR 1.5																	
270	1.88	218	2.22	179	2.58	150	2.98	127	3.39	108	3.81	76	4.44	64	4.70	48	5.31
292	2.00	236	2.37	194	2.75	162	3.17	137	3.60	117	4.05	82	4.69	69	4.97	52	5.70
400	1.15	331	1.39	278	1.66	237	1.94	204	2.25	178	2.59	138	3.32	123	3.73	100	4.60

Legrand/Cablofil trays marked with CSA load class have been tested (loading, finish and electrical) by UL to CSA standard 126 22.2 .

All Legrand/Cablofil aluminum cable trays are Classified by UL as equipment grounding conductors per NEC 392.7. (UL File No. E60796)

ALUMINUM STRAIGHT SECTION CATALOG NUMBERING EXAMPLE:

Bottom Type ← **09-4F14-0020-36-**

<p>VENTED</p> <ul style="list-style-type: none"> 06 - 6" Rung Spacing 09 - 9" Rung Spacing* 12 - 12" Rung Spacing 18 - 18" Rung Spacing VC† - Vented Corrugated <p>NON-VENTED</p> <ul style="list-style-type: none"> SC† - Solid Corrugated SF† - Solid Flat Bottom <p>* Standard rung spacing † Not available for flange out tray</p>	<p>Tray System Number</p> <p>This identifies the specific tray design and is used as a product number prefix for straight sections.</p>	<p>Length</p> <ul style="list-style-type: none"> 0010 - 10'-0" 0012* - 12'-0" 0020† - 20'-0" 0024 - 24'-0" <p>* Standard for Series 1 † Standard for Series 2</p>	<p>Width</p> <ul style="list-style-type: none"> 06 - 6" 09 - 9" 12 - 12" 18 - 18" 24 - 24" 30 - 30" 36 - 36" 	<p>Rung Option</p> <p>Add suffix for non-standard rung. See page 47 for details and other rung options.</p>
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