

Loading Capacity for Snake Tray®, Snake Canyon® & Mega Snake®

Snake Tray			Cable Fill (50% fill)** - CAT			Support Span Lbs/Ft (max)				
Part Number	Height x Width	Area (in2)	5e Cables*	6 Cables*	6A Cables*	4'-0"	5'-0"	6'-0"	8'-0"	
CM101-3-8	3 ½" x 3"	10.5	188	80	77	14	101 Series Snake Tray is a direct floor mount tray continually supported system, span weights are not applicable			
CM101-6-8	3 ½" x 6"	21	375	215	154	27				
CM101-12-8	3 ½" x 12"	42	750	430	309	54				
CM101-18-8	4" x 18"	72	1286	740	529	93				
CM101-12-8-LS	2 ½" x 12"	30	536	280	221	39				
CM101-18-8-LS	2 ½" x 18"	45	804	460	331	58				
CM201-24-8	2" x 4"	8	114	82	59	16	13	11	***	
CM201-3-8	3" x 3"	9	129	92	66	19	15	12	***	
CM201-425-8	4 ¼" x 4 ¼"	18	257	185	132	37	30	24	***	
CM201-6-8	4" x 6"	24	343	250	176	49	39	32	***	
CM201-425D-8	(2X) 4 ¼" x 4 ¼"	36	514	370	265	74	59	47	***	
CM201-5D-8	(2X) 5" x 5"	50	714	510	368	103	82	66	***	
CM301-2-X	2" x 23"	46	597	470	301	43	301 Series Snake Canyon is a continually supported system, that can only be installed in 2' sections			
CM301-4-X	4" x 23"	92	1195	940	601	86				
CM301-6-X	6" x 23"	138	1792	1400	902	129				
CM301-8-X	8" x 23"	184	2390	1880	1203	172				
CM301-12-X	12" x 23"	276	3584	2820	1804	258				
CM401-2-8	1 ½" x 2"	3	43	30	22	6	5	4	***	
CM401-3-8	2 ½" x 3"	7.5	107	75	55	15	12	10	***	
CM401-4-8	3 ½" x 4"	14	206	145	106	28	23	18	***	
CM501-2-8	2" x 2"	4	57	40	29	12	10	8	***	
CM501-3-8	3" x 3"	9	129	92	66	22	18	14	***	
CM501-5-8	5" x 5"	25	357	255	184	51	41	33	***	
CM501-6-8	6" x 6"	36	514	367	265	74	59	47	***	
CM801-2-12-10	2" x 12"	24	343	245	176	81	70	56	31	
CM801-2-18-10	2" x 18"	36	514	367	265	90	78	62	35	
CM801-2-24-10	2" x 24"	48	686	440	353	101	88	70	39	
CM801-4-12-10	4" x 12"	48	686	440	353	138	120	96	54	
CM801-4-18-10	4" x 18"	72	1029	750	529	144	125	100	56	
CM801-4-24-10	4" x 24"	96	1371	980	706	150	130	104	58	
CM801-6-12-10	6" x 12"	72	1029	670	529	147	128	102	57	
CM801-6-18-10	6" x 18"	108	1543	1100	794	150	130	104	58	
CM801-6-24-10	6" x 24"	144	2057	1470	1059	184	160	128	72	

* CAT5e 4 pair PL approximated at .19 in2 in diameter, CAT 6 4 pair PL cable approximated at .25 in diameter and CAT 6A 4 pair PL approximated at .30 in2

** Allowable fill ratios are based on the NEC rule that the cross sectional area of all the cable installed in the cable tray not exceed 50% of the cross sectional area of the cable tray (width x depth). TIA suggests a 40% fill ratio.

*** Snake Tray series 201, 401 and 501 are recommended to be supported every four (4) feet. However larger spans can be accommodated.

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