

## Grounding Information (cont.)

1. Use the recommended quantity of UL Classified splices to connect sections and at places where the tray is cut.
2. Run an appropriately sized ground wire alongside the tray and attach it to each tray section and on both sides of a cut in the tray. (This method is recommended by NEMA VE-2 Installation Manual.)

## Load & Fill Chart

FLEXTRAY Series		Support Span / Loading Capacity*				Cable Fill (50% fill)**		
Part Number	Size height x width	Lbs/Ft (max)				Actual Area Inside Tray (in <sup>2</sup> )	Number of CAT 5e Cables***	Number of CAT 6 Cables***
		5'-0"	6'-0"	7'-0"	8'-0"			
<b>FT1.5X12</b>	1 1/2" x 12"	29	17	14	11	12.2	176	124
<b>FT2X2</b>	2" x 2"	34	28	24	20	4.3	61	43
<b>FT2X4</b>	2" x 4"	52	43	35	27	8.2	118	83
<b>FT2X6</b>	2" x 6"	66	47	35	27	12.1	175	123
<b>FT2X8</b>	2" x 8"	66	47	35	27	16.1	231	163
<b>FT2X12</b>	2" x 12"	68	47	35	27	23.9	345	243
<b>FT2X16</b>	2" x 16"	68	47	35	27	31.8	459	324
<b>FT2X18</b>	2" x 18"	68	47	35	27	35.8	516	364
<b>FT2X20</b>	2" x 20"	68	47	35	27	39.7	573	404
<b>FT2X24</b>	2" x 24"	68	47	35	27	47.5	686	484
<b>FT2X30</b>	2" x 30"	68	47	35	27	59.8	862	608
<b>FT2X32</b>	2" x 32"	77	53	39	30	63.3	914	645
<b>FT4X4</b>	4" x 4"	58	49	42	36	15.8	227	160
<b>FT4X6</b>	4" x 6"	93	77	60	46	23.6	341	240
<b>FT4X8</b>	4" x 8"	94	78	61	47	31.5	454	321
<b>FT4X12</b>	4" x 12"	119	83	61	47	47.5	686	484
<b>FT4X16</b>	4" x 16"	119	83	61	47	63.5	917	647
<b>FT4X18</b>	4" x 18"	119	83	61	47	71.5	1032	728
<b>FT4X20</b>	4" x 20"	119	83	61	47	79.5	1148	810
<b>FT4X24</b>	4" x 24"	128	89	65	50	95.5	1379	973
<b>FT4X30</b>	4" x 30"	128	89	65	50	119.5	1725	1217
<b>FT6X8</b>	6" x 8"	111	77	57	43	47.3	682	481
<b>FT6X12</b>	6" x 12"	124	86	63	48	71.6	1034	729
<b>FT6X16</b>	6" x 16"	128	89	65	50	95.3	1375	970
<b>FT6X18</b>	6" x 18"	128	89	65	50	107.3	1549	1092
<b>FT6X20</b>	6" x 20"	141	98	72	55	118.9	1716	1211
<b>FT6X24</b>	6" x 24"	154	107	78	60	143.3	2068	1459

\* Published load chart has not been tested with Flexmate splice. Please consult the factory for load information when using the Flexmate option.

\*\* FLEXTRAY fill capacity is based on NEC allowable fill of 50%. The NEC rule requires that the cable cross-sectional areas together may not exceed 50% of the tray area (width x depth = fill). Cables will nearly completely fill the cable tray when reaching the 50% cable fill, due to empty space between the surface of the cables. TIA recommends 40% fill ratio. Flextray loads shown in the loading chart will not be exceeded at 50% fill.

\*\*\* CAT 5e 4-pr non-plenum approximated at .21 in. diameter, CAT 6 4-pr non-plenum approximated at .25 in. diameter. Actual diameters vary by cable manufacturer.