

Finish Information

Flextray Cable Tray and Accessories are available in a wide variety of finishes to meet the environmental or aesthetic requirements of customer installations. Use the list below to find the finish and suffix that will meet your needs.

Available product finishes will be listed on individual pages throughout the catalog.

Finish codes shown in bold type are the standard for that product.

- EG** Electroplated Zinc Galvanized Finish applied after fabrication
(ZN) Recommended applications: Controlled interior
UL/CSA Classified as an equipment ground conductor when spliced as recommended
ASTM B633 - Average thickness of 0.3 mils (8 microns)
- GS** Pre-Galvanized Zinc Finish applied before fabrication
(GLV) Recommended applications: Limited industrial & interior
UL/CSA Classified as an equipment ground conductor when spliced as recommended
ASTM A641
- BLE** Black Powder Coat Finish applied after fabrication
(FB) Recommended applications: Controlled interior
UL/CSA Classified as an equipment ground conductor when coating has been removed at splice contact points
Average paint thickness of 1.2 mils (30 microns) to 3.0 mils (75 microns)
- BLO** Black Oxide Finish
Recommended applications: Controlled interior
ASTM D769
- HD** Hot Dip Galvanized Finish applied after fabrication
(HDG) Recommended applications: Exterior, corrosive
UL/CSA Classified as an equipment ground conductor when spliced as recommended
ASTM A123 - Average thickness of 2.4 mils (60 microns) to 3.2 mils (80 microns)
- 304S** 304L Stainless Steel
(SS4) Recommended applications: Food preparation, wash-down areas
ASTM A580
- 316S** 316L Stainless Steel
(SS6) Recommended applications: Highly corrosive applications & marine environments
ASTM A580
- Custom Powder Coat Finish applied after fabrication
Recommended applications: Controlled interior
UL/CSA Classified as an equipment ground conductor when coating has been removed at splice contact points
No Specification

Grounding Information

Statement for all UL Classified products:



This product is classified by Underwriters Laboratories, Inc. as to its suitability as an equipment grounding conductor only. 556E



Most sizes of FLEXTRAY are UL Classified to serve as an Equipment Ground Conductor. The ground path can be achieved in one of two ways listed on page 45:

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