

Section 1- Acceptable Manufacturers

- 1.01 Manufacturer: Subject to compliance with these specifications, channel cable tray systems shall be as manufactured by Cooper B-Line, Inc.

Section 2- Selection and Components

- 2.01 General: Except as otherwise indicated, provide ventilated metal channel cable trays, of types, classes and sizes indicated with splice connectors, fittings and all other necessary accessories for a complete system. Provide channel cable tray with rounded edges and smooth surfaces in compliance with applicable standards, and with the following additional requirements.

- 2.02 Materials and finishes: Material and finishes specifications for each channel cable tray are as follows:

1. Aluminum: Extruded components shall be made from Aluminum Association Alloy 6063. All fabricated parts shall be made from Aluminum Association Alloy 5052.
2. Pre-Galvanized Steel: Straight sections and fittings shall be made from structural quality mill galvanized 14 gauge steel meeting the properties of ASTM A653SS, coating designation G90.
3. Hot Dip Galvanized Steel: Straight sections and fittings shall be made from 14 gauge structural quality steel meeting the minimum mechanical properties of ASTM A1011 SS, Grade 33 and shall be hot-dip galvanized after fabrication in accordance with ASTM A123.
All hot dip galvanized after fabrication cable trays must be returned to point of manufacture after coating for inspection, conditioning and labeling.
4. Stainless Steel: Straight sections and fittings shall be AISI Type [304] [316].

- 2.03 Channel cable tray straight sections shall be constructed with ventilated flat bottom. Ventilating bottom shall be perforated with 2.25" diameter holes and have slots to facilitate the use of cable ties to secure the cables.

- 2.04 Straight sections shall be supplied in standard [12 foot] [10 foot (3 m)] lengths, except where shorter lengths are permitted to facilitate tray assembly as shown on drawings.

- 2.05 Ventilating straight sections shall have splice holes every 12 inches to simplify field modifications.

- 2.06 Channel cable tray width shall be [3] [4] [6] inches with a minimum loading depth of 1 1/4".

- 2.07 Fittings will have a minimum radius of [12] [24] [36] [48] inches.

- 2.08 Splice plates and hardware shall be included with each straight section and fitting.