

PRO-10 Cable Tray Installation Instructions

Wiremaid Products are produced with the highest degree of safety for installers and end users. Installation instructions must be followed to ensure safety and ease of installation.

Starting the Installation

1. It is recommended that the installer starts at a junction location and attach tray sections from that point out. The hanging or mounting hardware should be secured to the building structure first, spaced at 5 ft. intervals.
2. Use a 'Drop' tray section for applications where there is an elevation change in the cable tray layout. Drop tray sections are to be connected to adjacent tray sections using two CM70 loops to connect the bottom of each adjacent tray section, and two CM58 loops to connect the side of each section together. If the tray is 12" wide or greater, use three CM70 loops. Insure the loops are attached at the unpainted contact points on each tray section. Secure each loop to the tray section with a carriage bolt and nut (**See fig. 3**).

Connecting the Straight and Junction Sections

1. Inspect all connection loops and interconnection points of each cable tray, drop and junction to insure the contact surfaces (both top and bottom) are free from paint, dirt, or other material that may hinder conductivity or proper connectivity (**See fig. 1**).
2. Align each adjacent cable tray and/or junctions together so the unpainted portion of each connecting loop overlaps the outside surface of the unpainted interconnect point of each tray section side wall. Butt the sections together and secure using a CM68 carriage bolt and CM67 flange nut at each of the three connection loop locations.
3. All interconnection points must be secured with a carriage head bolt and flange nut oriented as shown in fig. 1.
4. The heads of all carriage bolts must be located inside of the cable trays, drops or junctions (**See fig. 1**) to prevent damage to the cable insulation.
5. All nuts must be tightened securely using a wrench supplied by Wiremaid or similar tool to insure good equipment ground conductivity.
6. It is recommended cable tray sections be secured to the support or mounting brackets at random intervals using a 4 inch center support (CM54-04), or a standard cable clamp. If the support location is at the connection loop area, use a carriage bolt and flange nut to secure it to the tray (**See fig. 2**).
7. When bridging a gap less than 12 inches between two adjacent tray sections that are less than 12 inches wide, use two CM58 Extension Loops to connect tray side sections and two CM58 Extension Loops to connect the bottom of the adjacent tray. The Extension Loops are to be secured to the connection loop of each tray with a carriage bolt (CM68) and nut (CM67). Tray sections 12 inches or wider require three Extension Loops to connect the tray bottom (**See fig. 4**).



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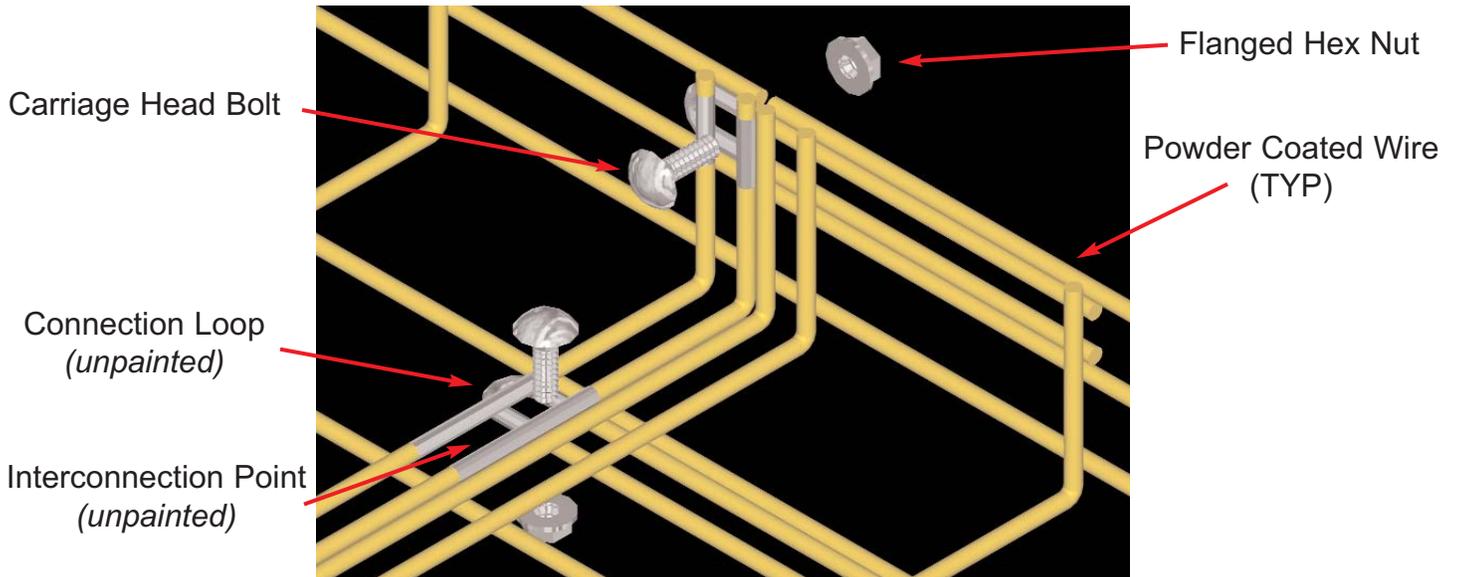


FIG. 1

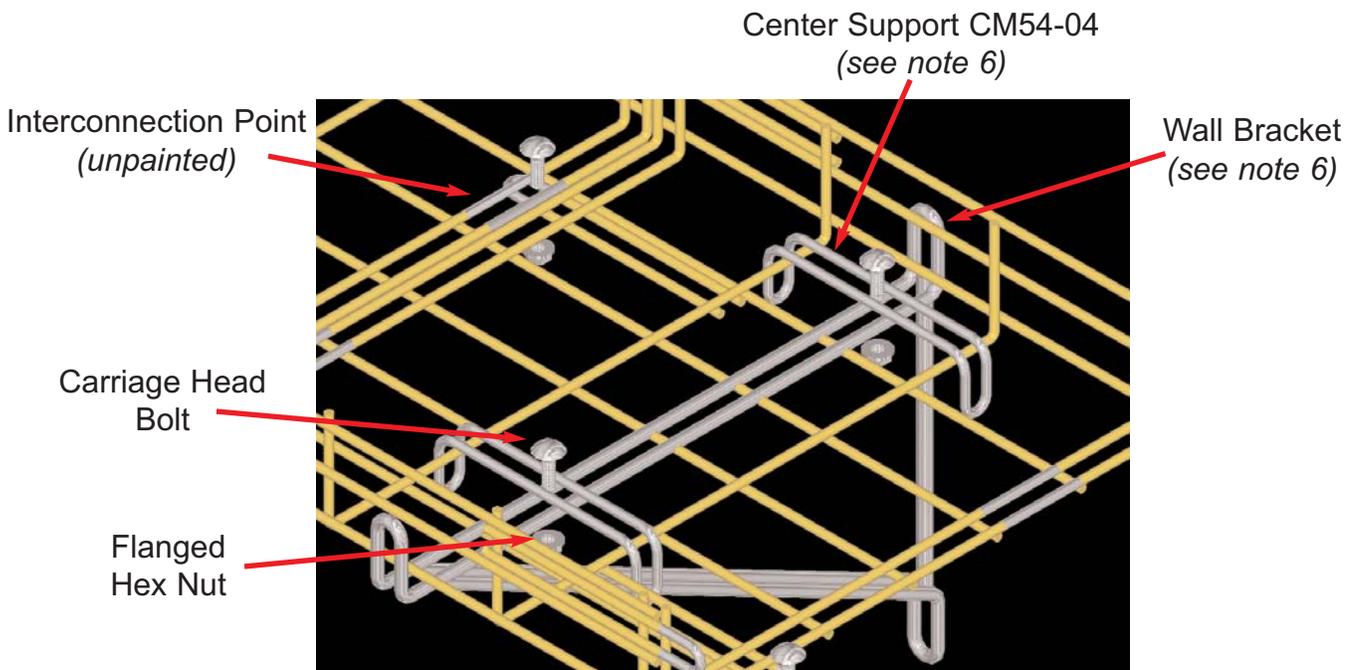


FIG. 2

Typical installation showing tray mounted to wall bracket



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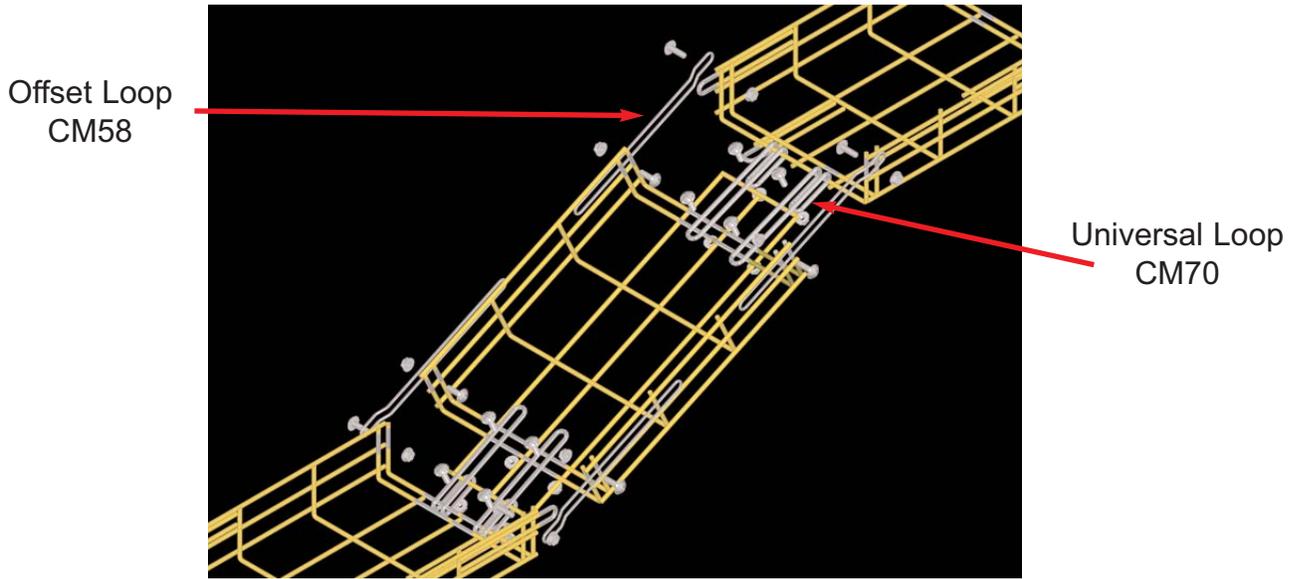


FIG. 3

Cable Tray Elevation Change CM15, CM25 and CM35 Drop

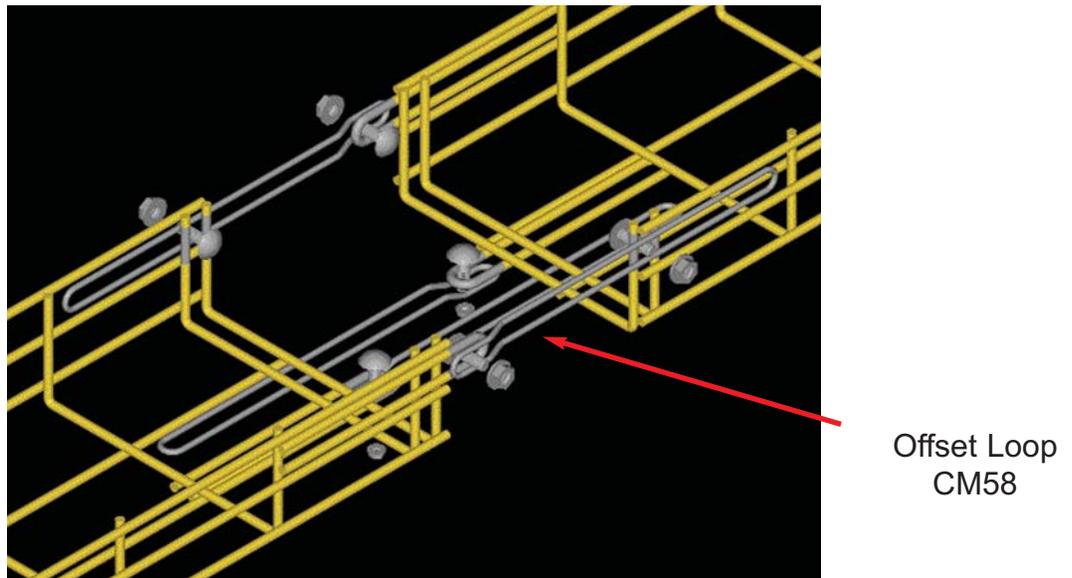


FIG. 4

Cable Tray Extension Using Offset Loop CM58



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