

HEAVY DUTY FESTOON SYSTEMS

T-Track & S-Beam

INSTALLATION GUIDE

A. General Considerations

1. Determine desired loop depth – 3 ft. is standard. A shorter loop depth required additional trolleys; a longer loop depth requires fewer trolleys.
2. Determine the weight of the festoon cable to be supported by each trolley. The weight should not exceed the trolley load capacity of 150 lbs.
3. Determine the track support spacing (distance between hanger clamps, 10ft. is standard)

TROLLEY CABLE LOAD	MAXIMUM SUPPORT SPACING
25 lbs. or more	10 ft
15 lbs.	12ft
10 lbs.	15 ft
5 lbs. or less	20 ft

4. Determine the maximum trolley speed
 - a) Less than 250 ft/min. – use standard components.
 - b) 250 ft/min or more – consult factory.
5. Determine maximum working travel
 - c) Less than 200 ft. – use standard components.
 - d) 200 ft. or more – use strain relief cables between trolleys.
6. Determine the required trolley/cable storage distance
$$\text{Number of trolleys} \times 0.42 \text{ ft.} = \text{storage length in feet}$$
7. PVC Jacketed Cables should be installed only when the ambient temperature is greater than 15°F.

B. Installation Procedure

Install Crossarm Support brackets - //welded or bolted to the beam or angles, channels, etc. sufficient to carry 250 lbs. Each

Install Track Hanger Clamps on Crossarms with fasteners furnished. Leave clamping bolts loose. Crossarms should be pre-punched or drilled to accept 3/8" mounting hardware.

Install Track into Hanger Clamps and tighten securely. The Hanger Clamps should anchor the track sections.

Join track sections together and secure with bolted Track Joint Assemblies. Tighten the bolts securely.

Install onto the Fixed End Clamp Assembly in the Track at the Cable Storage End. Tighten securely.

Install the End Stop on the Track End opposite the Storage End.

Feed the festoon Cables into the Trolleys between the Clamping Pad and the Cable Saddle. Finger tighten the wing nuts to secure the festoon Cables.

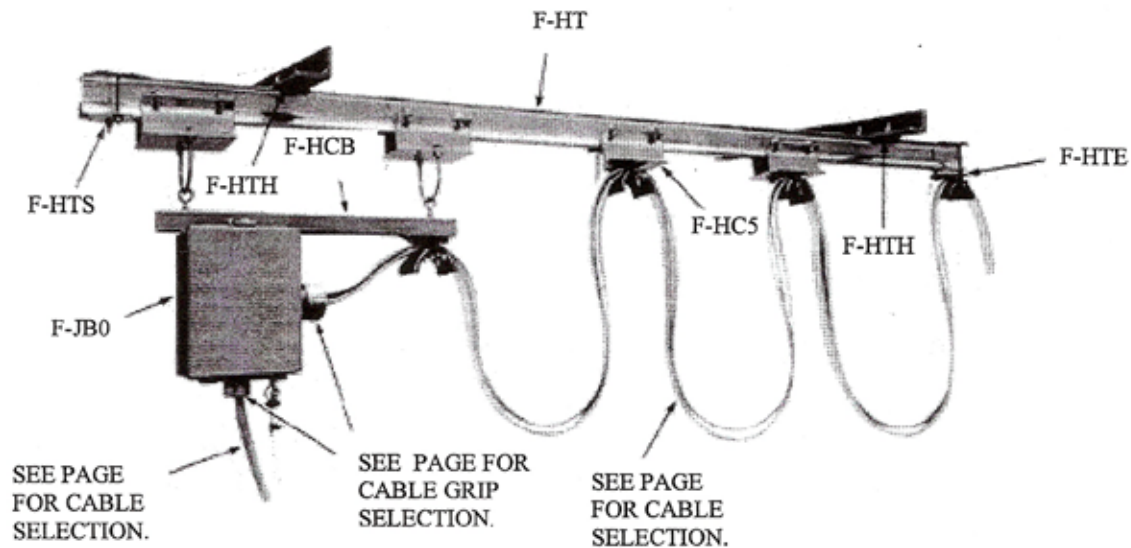
Install the Festoon Cables Grips on approved junction boxed and insert cables through the glands – tighten lock nuts firmly.

On Power and Control Applications, the Tow Arm should be securely fastened to the moving equipment to be electrified. Align the tow arm cable saddle directly under the trackrun. The tow arm should be located within ½" of the bottom of the Heavy Duty Track.

On travelling (Offset, Walkway) Pendant Push Button Applications, install the Junction Box on the Control Box Trolley. Fasten securely with hardware furnished.

Run the entire Festoon System back and forth several times over the entire system to ensure proper operation. Flat Festoon Cables should Extend and retract in a straight line if the cables are properly fastened to the trolleys.

Application Example



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