


Airflex

Installation Manual: Aircraft Cable with V Hooks

Safety & Warnings:

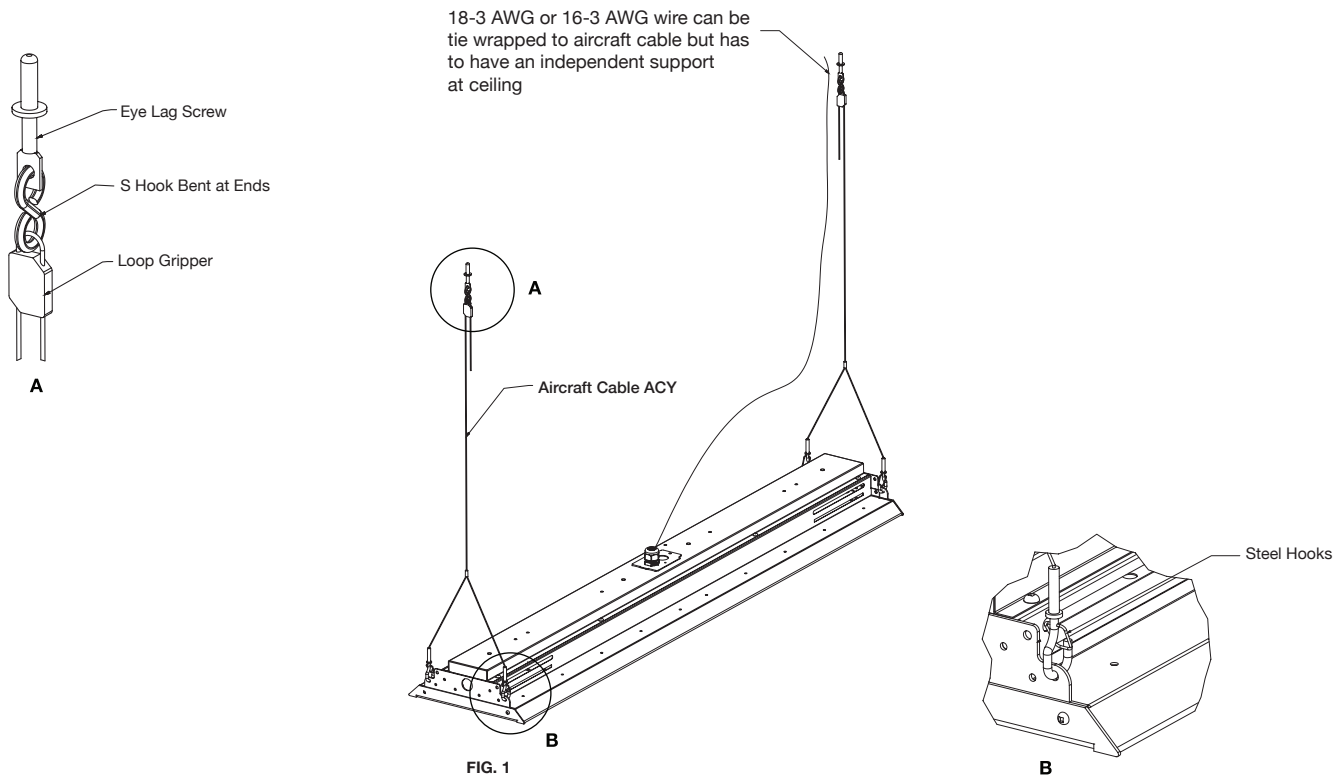
Failure to follow these instructions and warnings may result in death, serious injury or significant property damage.

Warning: Risk of Fire and Electrical Shock. Fixture must be installed by a qualified electrician only in accordance with National, Local Building, and Electrical Codes. Disconnect power at the electrical panel before servicing.

 General contractor is responsible for the installation of appropriate anchors to support the load of the fixture at positions detailed in the installation manual. Installation of such anchors or other support systems must be completed in accordance with applicable building/ installation code.

Steps

1.
 - Disconnect the electrical power on the electrical panel prior to installing the Airflex light fixture.
2.
 - The Airflex fixture has an optional aircraft cable w/hooks which can be ordered.
 - If the installer is using their own aircraft cable they must ensure that the cable has steel hooks which will fit through the holes on the Airflex fixture as shown in FIG 1.
 - The hooks should engage properly such that the hook does not come out of the holes.
 - The cable should form a Y shape which should be connected to a crimped lug at the top of the Y.
 - A straight wire is connected to the top of the Y.
 - The installer should run additional support cables if needed to the ceiling or roof by using appropriate hardware to connect to the existing aircraft cable straight section.
 - There should be a loop at the end of this cable at the top formed using the supplied loop gripper to attach to a S-Hook



3.
 - Attach an S-Hook to the top of the aircraft cable and then attach the other side of the S-Hook to the eye lag screws.
 - Use pliers to 'close' off the ends of the S-Hook onto the aircraft cable and eye lag screw.
 - The installer should choose the proper eye lag screw as there are different types used for wood, steel, and concrete (minimum eye lag screw should be #12).
4.
 - Pull the existing 18-3 AWG or 16-3 AWG wire from the Airflex fixture into the junction box.
 - Use a strain relief on the access plate if required.
 - Connect the appropriate wires using wire nuts (black to black, white to white, and green to ground wires). Ensure the ground wire is also grounded to the junction box using a ground screw.
 - The 18-3 AWG or 16-3 AWG wire from the Airflex fixture can be tie wrapped to the aircraft cable but also has to be independently supported to the ceiling or roof.
 - Check to see if the Airflex fixture is securely in place and that the aircraft cable is properly attached to the ceiling and the fixture.
5.
 - Check all connections for open loops and replace loose/damaged wires.
 - Turn the electrical power on from the electrical panels.
6.
 - Test the connection by turning on the timer, relay system, motion detector or light switch that the Airflex fixture is connected to.