Trunk Line Installation

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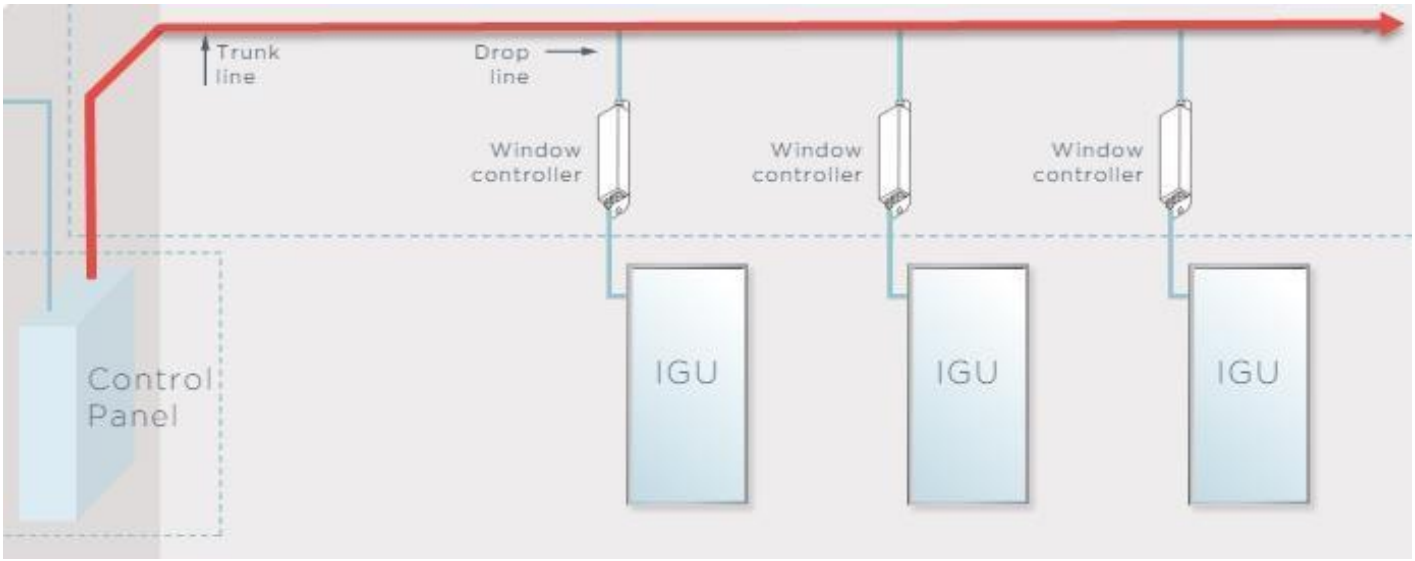
Scope

This manual will guide you through the detailed installation of the Trunk Line. The Trunk Cable size(s) is determined and referenced inside the interconnect drawings.



Description

1. The Trunk Line is the primary cable that distributes power and communication to the Dynamic Glass System. Each IGU and Window Controller is branched back into the Trunk Line.

2. Two sizes of the Trunk Cable are available depending on the size of the installation. Light and Heavy. For installations larger than 500 sq. feet of Dynamic Glass, the Heavy Trunk Cable is normally used.

3. All cables are IP67 rated. Class 2 Plenum (CL2P) rated cables are available.

4. The Trunk Line is represented on the Interconnect drawings by (WT).

5. The Trunk Line can be routed above the ceiling grids, within interstitials, within spandrel locations, within drywall spaces or within framing channels. The Interconnect drawings will indicate the general area in which the Trunk Line will be routed.

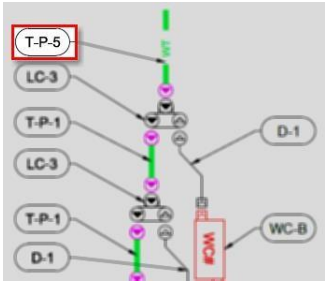
Procedures

Locate the proper Trunk Line Segment

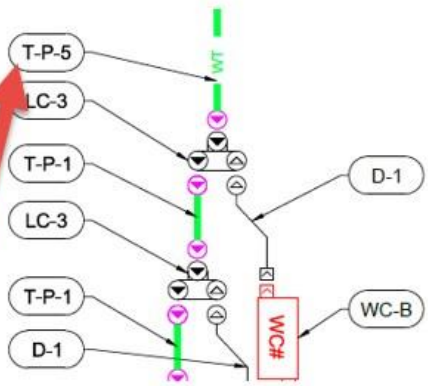
Note: The entire Trunk Line is made up of smaller pieces known as Trunk Line Segments.
Each piece of Trunk Line connects together using Trunk Cable Tee Connectors or Y Connectors between each segment. Each piece of Trunk Line Segment may be a different length depending on what the interconnect drawings require.

1. Check the Interconnect Drawings and locate the correct Trunk Line piece that will connect to the Control Panel using the Find number.

2. The "Find" number that is used on the Interconnect Drawings will reference you to the proper part number in the BOM or Bill of Materials.



3. Using the Find number, use the BOM or Bill of Materials to find the proper part.



BOM

Part #	Find	Description
380-000038-01	T-P-1	Trunk Cable, Plenum, LRG Conn, 5P MF, 12IN (1.0 FT)
380-000038-04	T-P-4	Trunk Cable, Plenum, LRG Conn, 5P MF, 59IN (4.9 FT)
380-000038-05	T-P-5	Trunk Cable, Plenum, LRG Conn, 5P MF, 78IN (6.6 FT)

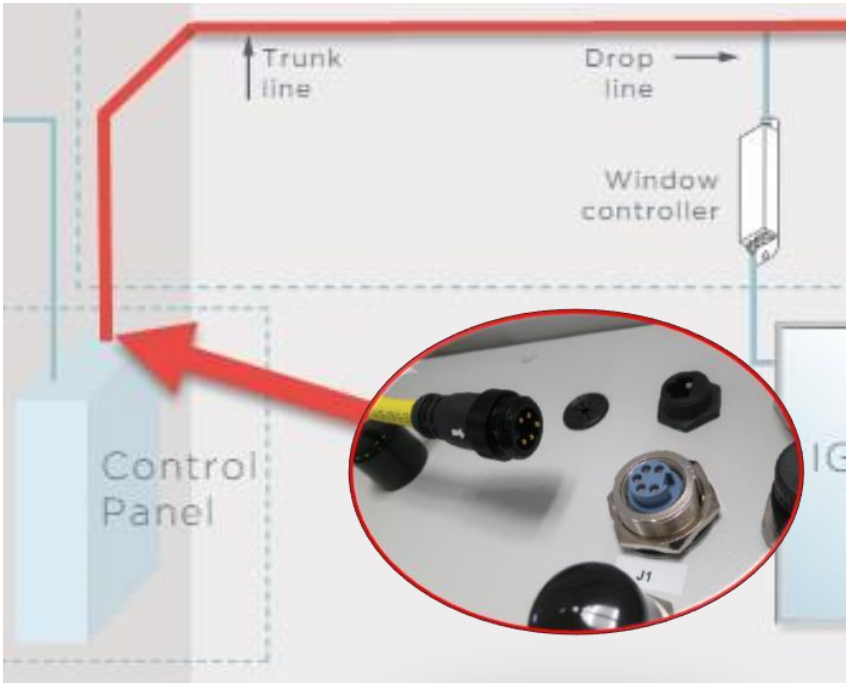
Direction of installation

Note: The male end of the Trunk Line attaches to the Control Panel and the female end will point away from the Control Panel. The female end will always point away from the Control Panel.

Connect to Control Panel

Locate the male end of the Trunk Line that will connect to the Control Panel. (If the Trunk Line will not connect to the Control Panel immediately or if the Control Panel has not been installed yet, please refer to the Note below). The male end will be connected to the Control Panel. The female end of the Trunk Line will point away from the Control Panel.

Note: A somewhat common mistake that is made is routing the Trunk Cable in the wrong direction. This is typically common for installations where the Control Panel is not installed prior to routing the Trunk Line. To avoid this issue, simply leave the male end available to connect to the Control Panel once it is installed.

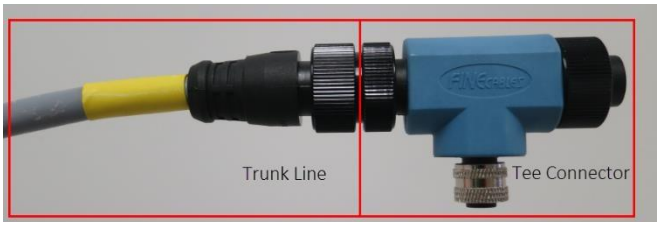


Connecting Trunk Line Segments

Trunk Line Segments can be connected by a Tee Connector or a Y Connector depending on the requirements of the Interconnect Drawings.

Tee Connector Configuration

Tee connectors are represented as a () inside the Interconnect Drawings.



Y Connector Configuration

Y connectors are represented as a ( or ) inside the Interconnect Drawings.

Terminator Installation for Trunk Line

When you have completed the Trunk Line installation, be sure to end the Trunk Line with a Terminator which is used to cap the power distribution.