View BOS Cables Overview

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Scope

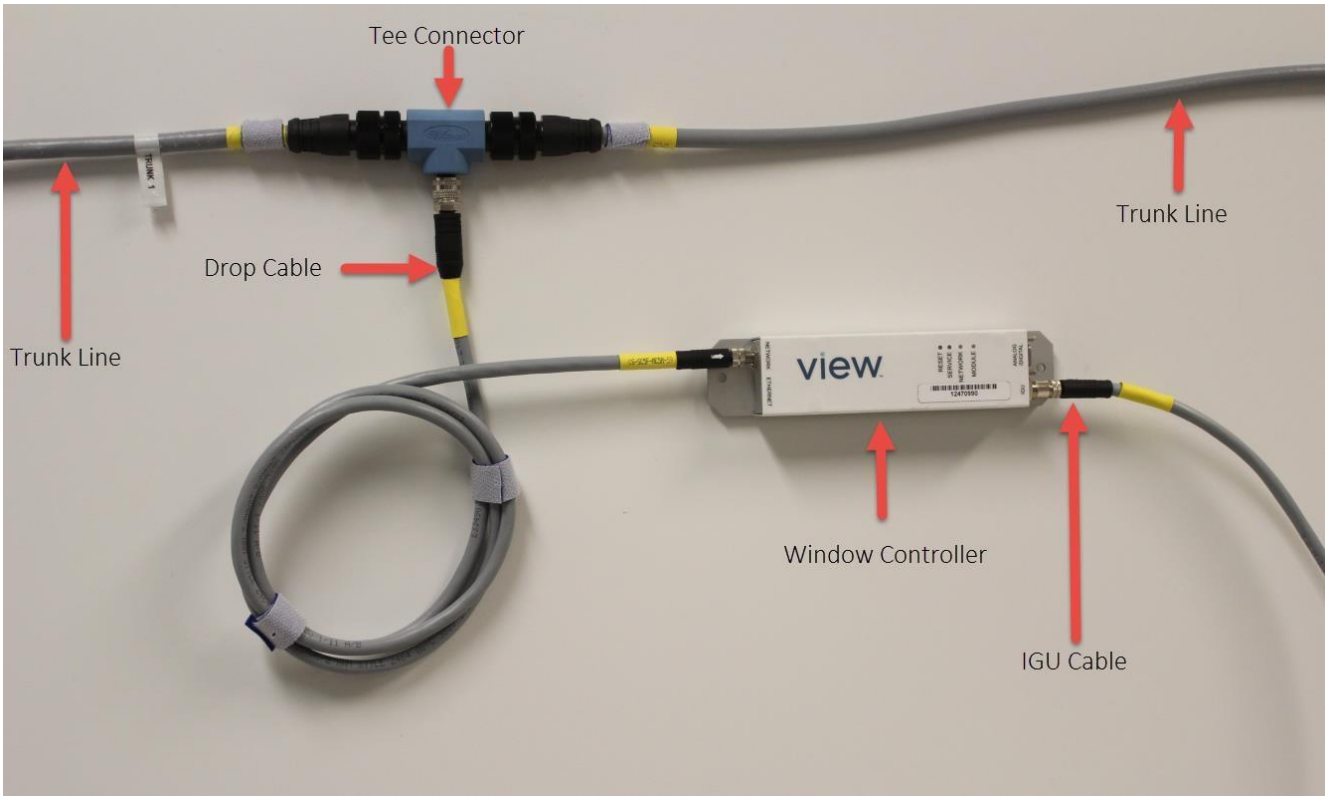
This manual will give you a brief introduction of the cables used in the View Glass system.

Cables

All cables are pre-terminated and packaged in varying lengths depending on the system design. All cable ends are terminated with a connector that is either male or female. The ends of all cables have a connector that is designed to fit to another connector in a very specific direction. When connecting cables to cables or cables to connectors, you should always look inside the connector to verify proper alignment. If connectors are miskeyed, the system will not work properly.

There are various cables that you will use to connect the View Glass system. Before starting this introduction, it is important to note that you should always label the ends of the wires just in case troubleshooting is necessary. By putting a simple label at the end of each cable, you can easily track where each cable goes once the system has been completely installed.

More details of each cable can be found in the Official Data Sheets.



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Trunk Line

1. The primary cable that distributes power and communication to the Dynamic Glass System though a single cable. Each IGU and Window Controller is branched back into the Trunk Line. The Trunk Line can be identified by a ( ) line on the Interconnect Drawings.

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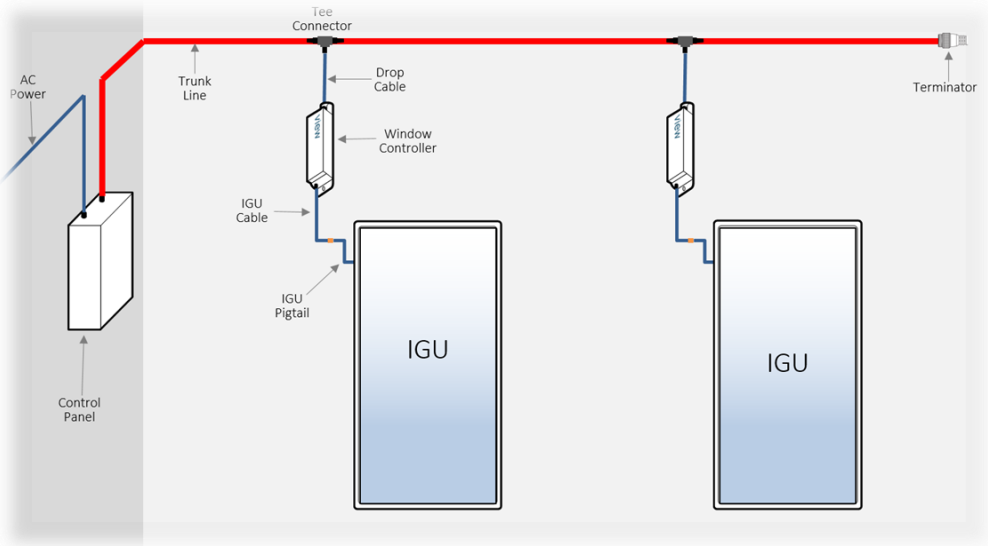

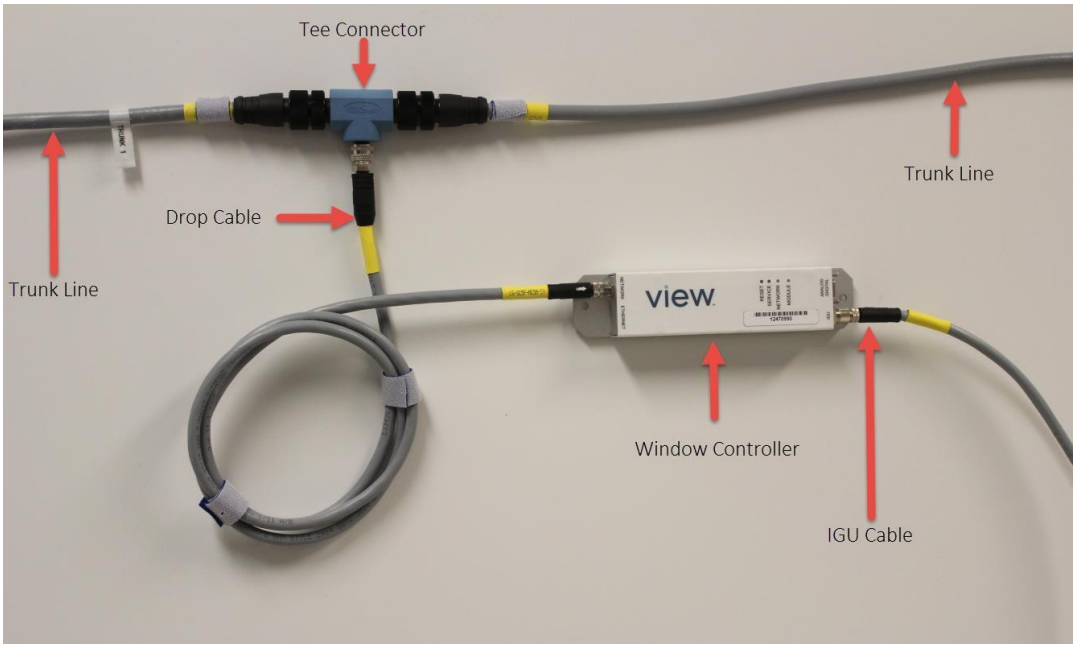

Drop Cable

1. The communication and power cable between the Window Controller and Trunk Line cable. The Drop Cable can be identified by a solid thin black line (————) on the Interconnect Drawings.

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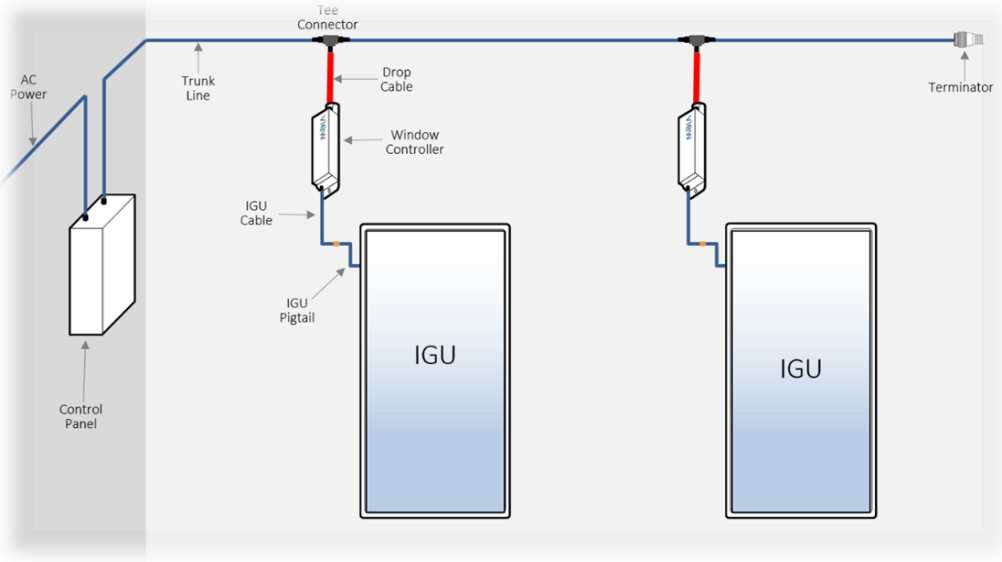

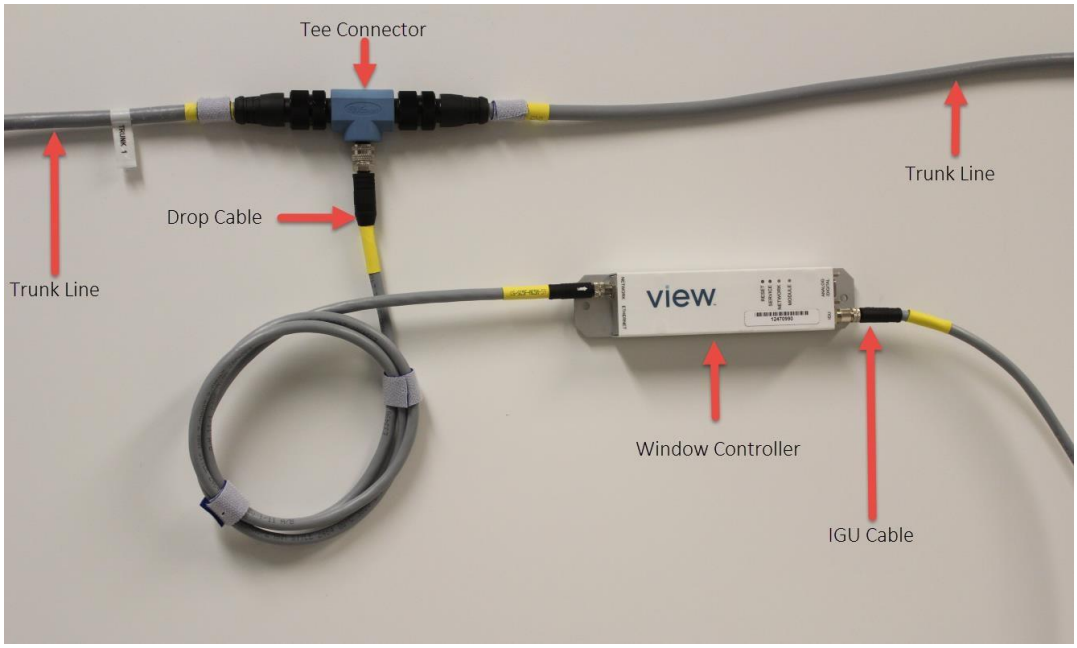

IGU Pigtail

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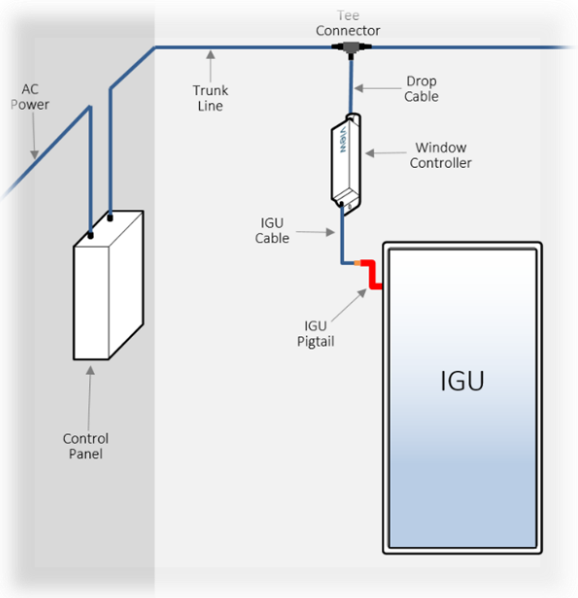
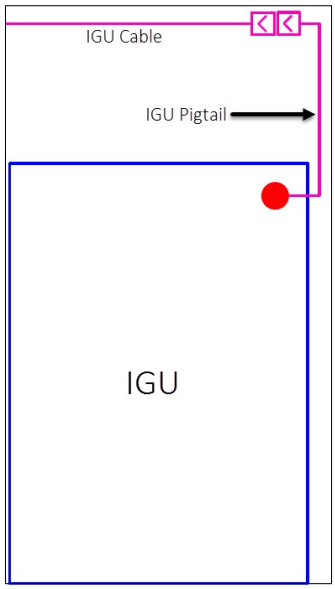
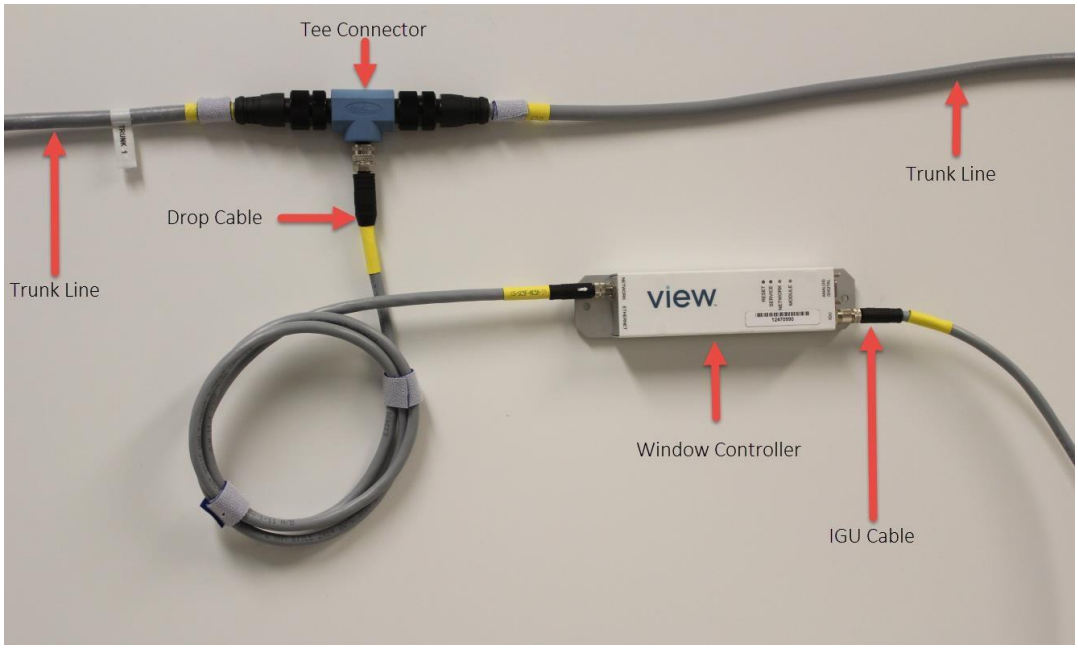
The electrical wire coming from each IGU that provides the electrical voltage necessary to tint the glass. The IGU pigtail is located 3" from the corner of the IGU and is 12" in length and 4mm in diameter. The IGU Pigtail can be seen as a bright pink line coming out of the IGU on the Interconnect Drawings.







IGU Cable

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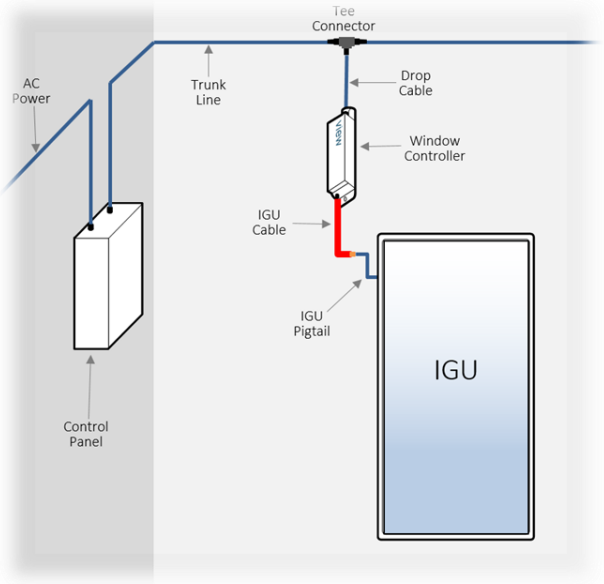
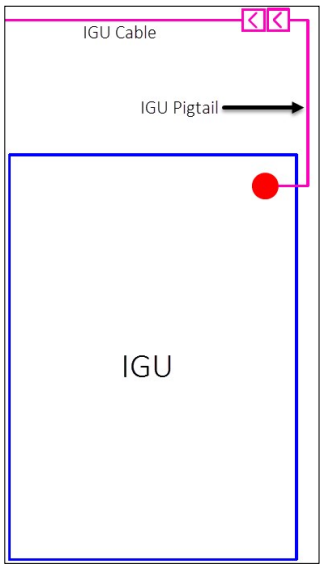
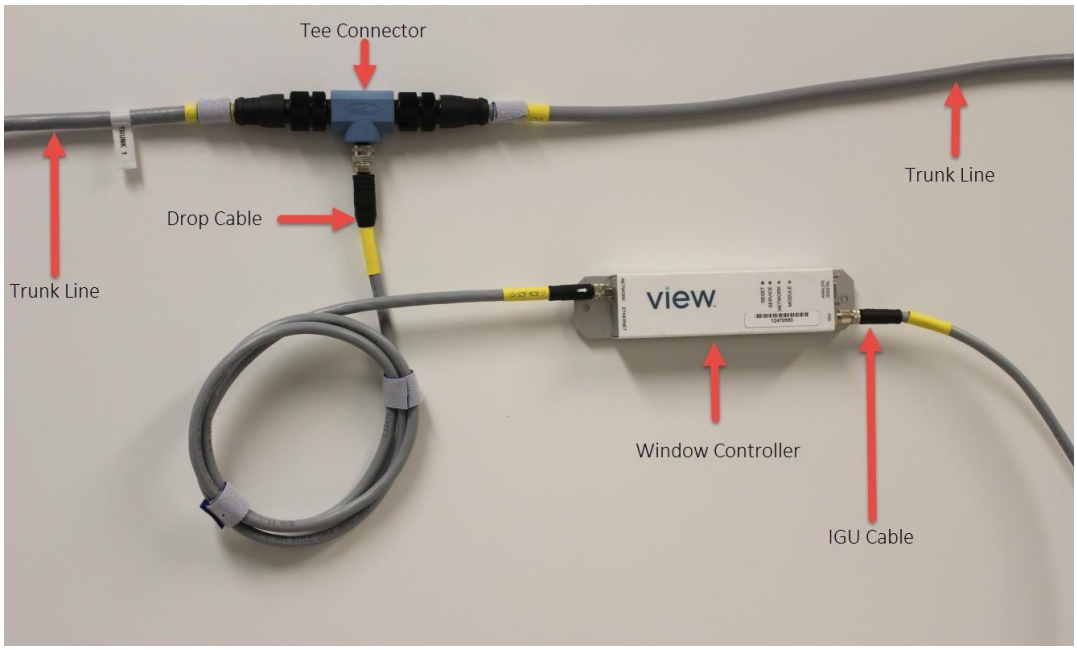
The communication and power cable between the Window Controller and IGU. The IGU Cable connects to the IGU Pigtail. The IGU Cable can be seen as a bright pink line connecting to the IGU Pigtail on the Interconnect Drawings.







Power Insert Cable

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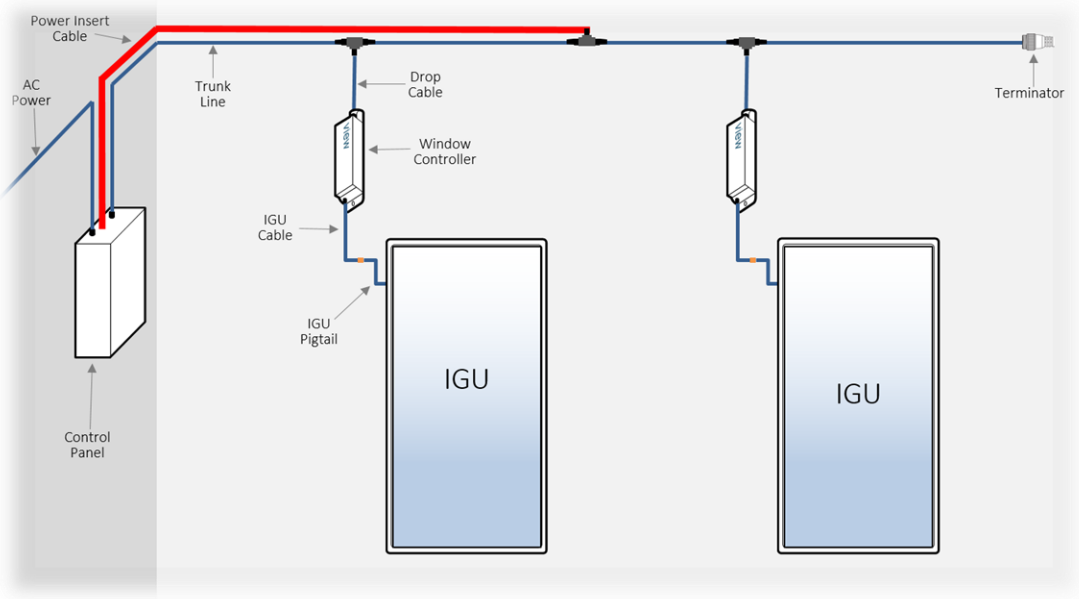
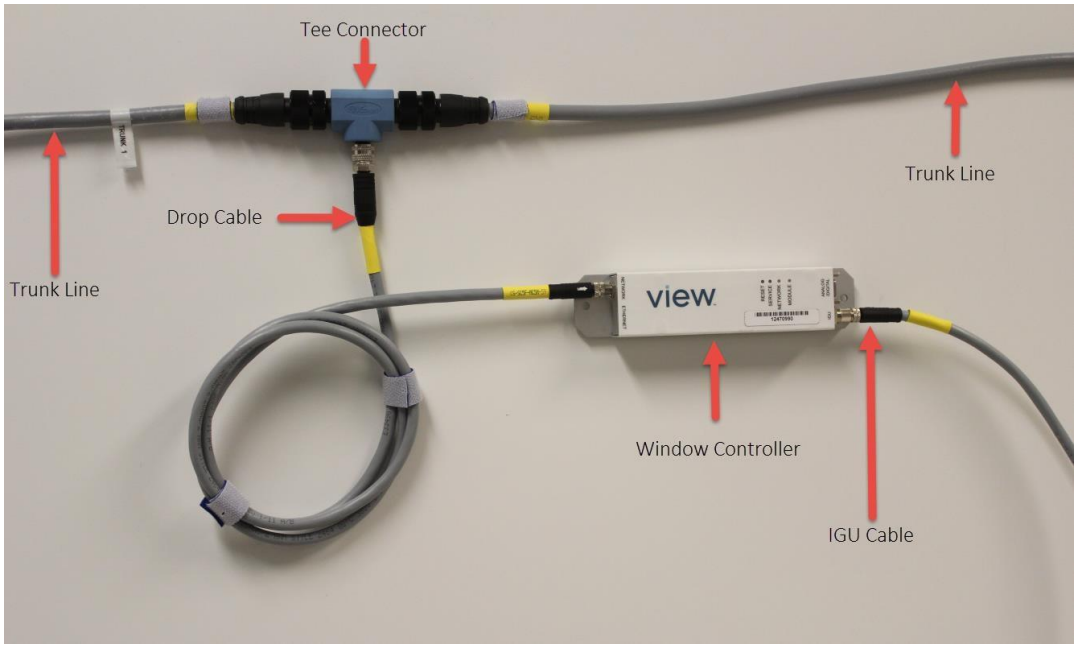
A cable that is inserted into the trunk line from a power supply to provide additional power to run the system. The Power Insert cable can be identified by a (PI) line on the Interconnect Drawings.





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