Customers can extend the distance between their MIC camera and the MIC PSU by using two junction boxes (customer-supplied). The boxes must be weather proof or explosion proof, depending on the model and the physical location of the box. The second junction box is required to reduce the size of the cable and to reduce the amount of conduit connections to the MIC PSU.

All cables used outdoors must have a UV-resistant outer jacket, or must be installed inside permanently earthed metal conduit. See the table below for the maximum distance and wire gauge recommended for each camera. The maximum distance is the distance between the two customer-supplied junction boxes.

### Notes:
1. Based on 18 VAC -15% = 15.3 VAC as the minimum voltage.
2. To achieve the distances listed, any models with the heater option MUST USE two conductors for camera power and two additional conductors for the heater.
3. For specific details about extending the distance between a MIC440 explosion-protected camera and a MIC PSU, please see the MIC440 User Manual.
4. MIC IR models are not approved for extended distances because of the special power requirements for the IR illuminators.

See the next page for diagrams of the connections between the MIC cameras, the junction boxes, the MIC PSU, and the head-end system.
Connections for MIC camera models 400 (AL and SS), 412, 500 Classic and Pro, 550 Standard and Classic

Green arrows indicate where to connect each end of the MIC composite cable. The curving gray arrow indicates the section of the diagram that illustrates the pins at the end of the connector. The straight gray arrow indicates the matches between the pin out letters and the wire colors.
Connections for MIC612 Thermal Camera

Green arrows indicate where to connect each end of the MIC composite cable. The curving gray arrow indicates the section of the diagram that illustrates the pins at the end of the connector. The straight gray arrow indicates the matches between the pin cut letters and the wire colors.