

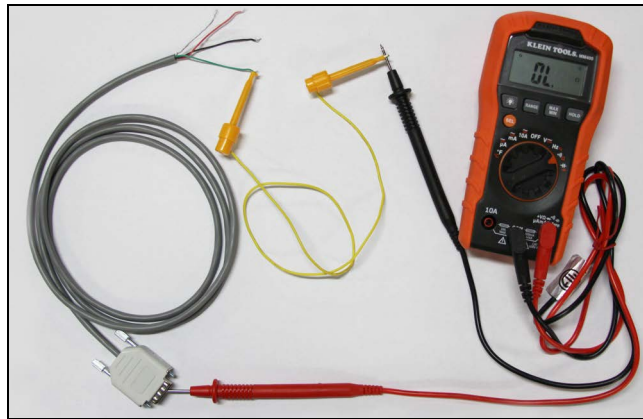
# Identifying Wire and Pin Assignments On a Bare Serial Cable

**Issue:** Identifying the pin connected to each wire

**Solution:** Use a digital multimeter to verify pin and wire connections

Use the following steps to identify the pin connected to each wire.

1. Obtain a digital multimeter and attach a stick test lead and a hook test lead.
2. Turn on digital multimeter and set to ohms-resistance mode.



3. Use the hook test lead to grab the bare end of a wire.
4. With the free stick test lead, touch each connector pin.
  - If the digital multimeter reads **OL** (Open Line), there is no connection between the current pin and wire selection.
  - If the digital multimeter displays a number value, the wire and pin are connected.
  - If the digital multimeter generates tones, it will sound when the corresponding wire and pin are touched simultaneously.



5. Repeat for remaining wires until wires are identified with their corresponding pins.



**NOTE:** All pins are numbered inside the connector for identification.

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