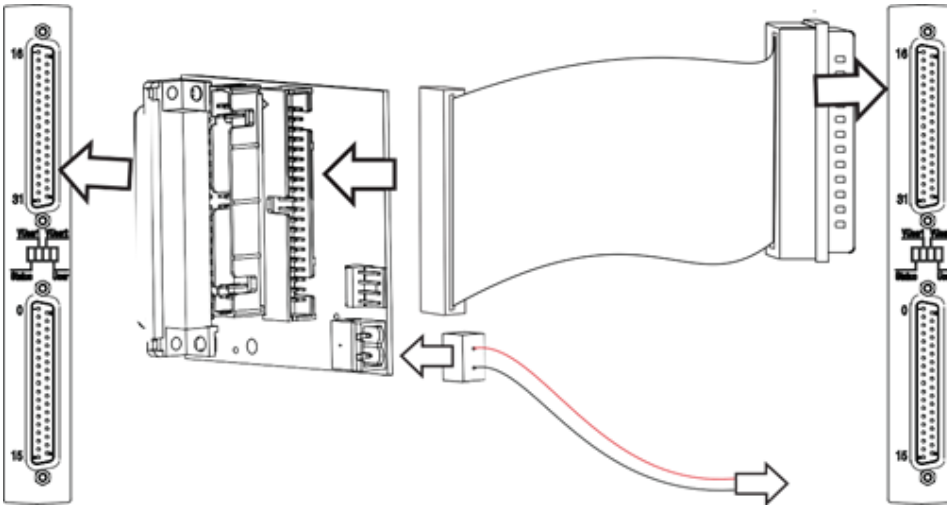


# OP4200 Testing Signals Using the Loopback Kit

**Note:** The following procedure is only used for test purposes when no external source is available.

System signals are tested using the loopback kit included in the starter kit. The connection is made easy with a custom flat cable that matches OPAL-RT standard DB37 pin assignments.

Signals are tested using the loopback kit by connecting the output cassette to the input cassette. If the input reads each output signal, the unit is functioning properly and is ready to be put into service.



**From left to right:**

Output cassette, loopback board, To external source, Input cassette.

- Connect one end of the flat cable to the loopback board
- Connect the loopback board to the OP4200 DB37 **output** cassette
- Connect the other end (DB37 connector) of the flat cable to the OP4200 DB37 **input** cassette
- When this kit is used to test **digital** signals, connect the Vuser (required to preserve isolation) from the loopback board (connector end) to an external source (wire end).