

## Model 2182-KIT Low-Thermal Connector with Strain Relief

The Model 2182-KIT consists of a low-thermal (LEMO) connector and a strain relief. This connector kit can be used to build a custom input cable for the Model 2182 nanovoltmeter.

The parts that make up the kit are listed in Table 1. These parts are shown in the assembly drawing (Figure 1).

**Table 1**  
*Parts List*

Collet
Nut
Cap (Strain Relief)
Contact
Sleeve
Connector Shell

While referring to Figure 1, perform the following steps to connect a cable to the LEMO connector:

1. As shown in Figure 1A, slide the cap, collet and nut onto the cable.
2. As shown in Figure 1B, prepare the individual wires of the cable.
3. As shown in Figure 1C, install the contact and sleeve onto the cable assembly. Connect the wires of the cable to the contact using SN/AG4 silver solder. After soldering, clean the connections.
4. As shown in Figure 1D, match the notches and position the sleeve onto the contact. Slide the collet into the sleeve and trim the shield.
5. As shown in Figure 1E, install the assembly in the connector shell and tighten to 7 in-lbs.
6. As shown in Figure 1F, slide the cap over the end of the nut.

**Figure 1**  
**Connector Assembly**

