## Parts List

<table>
<thead>
<tr>
<th>Key</th>
<th>Part Description</th>
<th>Part Number</th>
<th>Qty</th>
<th>Ctn</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power distribution units</td>
<td>74-4787-01</td>
<td>4</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Speaker cable</td>
<td>37-0849-01</td>
<td>3</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>8 m DVI-to-VGA + audio cable</td>
<td>37-0848-01</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>6 m video cable</td>
<td>37-0854-01</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>3 m (black) Cat6 Ethernet cable</td>
<td>37-0877-01</td>
<td>5</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>10 m Cat6 Ethernet cable, blue</td>
<td>37-0901-01</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>7 m power cord</td>
<td>37-xxxx-xx</td>
<td>1</td>
<td>10</td>
<td>See “Region- and Country-Specific Equipment” for specific part numbers.</td>
</tr>
<tr>
<td>8</td>
<td>3 m Jumper cord</td>
<td>37-0833-01</td>
<td>9</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>2 m Jumper cord</td>
<td>37-0852-01</td>
<td>1</td>
<td>1</td>
<td>Used for projector.</td>
</tr>
<tr>
<td>10</td>
<td>3 m Video-to-DVI cable</td>
<td>37-0853-01</td>
<td>3</td>
<td>1</td>
<td></td>
</tr>
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<td>11</td>
<td>Cable identification stickers</td>
<td>51-4582-01</td>
<td>3</td>
<td>1</td>
<td></td>
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<tr>
<td>12</td>
<td>Cable ties</td>
<td>51-4536-01</td>
<td>75</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Cable tie holders</td>
<td>51-0609-01</td>
<td>75</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Ferrite Core</td>
<td>36-0244-01</td>
<td>12</td>
<td>1</td>
<td></td>
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<tr>
<td>15</td>
<td>Not used</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Projector-to-Auxiliary Control Unit (DSUB to 8-P MINI DIN) cable</td>
<td>37-0980-01</td>
<td>1</td>
<td>19</td>
<td>Packaged with Auxiliary Control unit</td>
</tr>
<tr>
<td>17</td>
<td>Microphone extension cords</td>
<td>Included with 74-4743-xx</td>
<td>3</td>
<td>1</td>
<td>Included in Microphone kit</td>
</tr>
</tbody>
</table>

**Caution**: Do not power on the PDUs and auxiliary control unit until you connect and route all the cables.
Caution

Use care when you route the power cables from the PDUs. Do not bend the cables immediately after they exit the PDUs and be sure that the cable does not pull on, or cause any strain to, the PDU socket and power cord plug connection. Incorrectly routed cables can cause undue stress to the PDU receptacle and the power cord plug.

Warning

Overcurrent protection is provided by branch circuit protection rated 20A @ 100-120 volts.

Warning

Output receptacles cannot exceed 15A @ 100-120 volts for any one receptacle.

Power Requirements for the Cisco TelePresence 3000

Table 8-1 provides the power requirements and PDU locations for the Cisco TelePresence 3000 system.

Caution

Correct routing of the various power cords to the PDUs and auxiliary control unit is critical for the safety and success of the Cisco TelePresence 3000. Route each power unit to a different 20 amp circuit to prevent circuit overload when all the electrical components are properly installed.

Table 8-1  PDU and Auxiliary Control Unit Locations and Power Requirements

<table>
<thead>
<tr>
<th>PDU or Control Unit Location</th>
<th>Power Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left PDU 1 (Located on Left Accessory Cabinet)</td>
<td>AC wall outlet</td>
</tr>
<tr>
<td></td>
<td>20 amps @ 100-120volts</td>
</tr>
<tr>
<td></td>
<td>or 10 amp @ 230-240 volts</td>
</tr>
<tr>
<td>Left PDU 2 (Located on Left Accessory Cabinet)</td>
<td>AC wall outlet</td>
</tr>
<tr>
<td></td>
<td>20 amps @ 100-120volts</td>
</tr>
<tr>
<td></td>
<td>or 10 amp @ 230-240 volts</td>
</tr>
<tr>
<td>Right PDU (Located on Right Accessory Cabinet)</td>
<td>AC wall outlet</td>
</tr>
<tr>
<td></td>
<td>20 amps @ 100-120volts</td>
</tr>
<tr>
<td></td>
<td>or 10 amp @ 230-240 volts</td>
</tr>
<tr>
<td>Auxiliary Control Unit (Located on rear of display structure)</td>
<td>AC wall outlet</td>
</tr>
<tr>
<td></td>
<td>20 amps @ 100-120volts</td>
</tr>
<tr>
<td></td>
<td>or 10 amp @ 230-240 volts</td>
</tr>
<tr>
<td>Table PDU (Located above the projector under the Center table segment)</td>
<td>AC wall outlet</td>
</tr>
<tr>
<td></td>
<td>20 amp @ 100-120volts</td>
</tr>
<tr>
<td></td>
<td>or 10 amp @ 230-240 volts</td>
</tr>
</tbody>
</table>

**Step 1**

Attach the left Power Distribution Unit (PDU) to the left Accessory cabinet and connect the power cord for the PDU into the power outlet.

The accessory cabinets each have screw holes for two PDUs on one side wall and screw holes for one PDU on the other. When the cabinets are correctly oriented with each door opening out to the side, the right cabinet has the single-PDU side facing the rear wall, and the left cabinet has the double set of holes facing the rear wall.
Step 2  Attach the right PDU to the right Accessory cabinet and connect the power cord for the PDU into the power outlet.
Step 3  Attach the center PDU to the center privacy panel and connect the power cord for the PDU into the power outlet.
Figure 8-3  Table assembly PDU attachment to the center Privacy panel

Note  The PDU power cable should extend from the right side.
Step 4  Route the power cables for the table leg foam bumper I/O modules and the projector.

Figure 8-4  Routing Power Cables for I/O Modules and Projector

Note  The six jumper cords from the I/O modules in the table legs route to the center PDU.

Tip  Before plugging the Table leg jumper cords into the Table PDU, label each one. For example, Outer Left Power, Inner Right Power.
Step 5  Route the signal cables from the table assembly.

*Figure 8-5  Routing Signal cables from the Table assembly*

![Diagram showing signal cable routing](image)

**Note**  Route the Table Leg Signal cables behind the Display structure, along with the other signal cables, but do not plug them into any Codec.

Step 6  Connect the codec power cables.
Step 7 Connect the Cisco Unified IP Phone, VGA peripheral, and projector HD video cables.

Note The VGA Peripheral cable is the free-hanging cable resting in the VGA module attached to the center Table segment.

Note If you encounter any problems with the HD Video cable that runs between the projector and the codec, order the part number CTS-CAB-HDMI-HDMI as a replacement.
Figure 8-7  Cabling the Cisco Unified IP Phone, DVI-to-VGA, and Projector HD Video Cables

Step 8  Connect the microphones to the microphone cables; then, connect the microphone cables to the codec and audio/video extension unit.

Caution  Perform the following steps to prevent damage from electrostatic discharge (ESD) to the microphone, audio/video extension unit, or codec:

a. Discharge each microphone cable by touching the metal cable-connector to the codec or audio/video extension unit cable as shown in Figure 8-8.

b. Hold the cable connector to the codec or audio/video extension unit cable for 3 seconds.
c. Immediately connect the microphone to the codec or audio/video extension unit using the diagram in Figure 8-8.

Figure 8-8  Discharging ESD from the Microphone Cables and Connecting the Microphone Cables and Microphones
Step 9  Connect the speaker cables using the following markings and colors on the codec:

- A single dot on a green background indicates a center speaker.
- Two dots on a white background indicate a left speaker.
- Three dots on a red background indicate a right speaker.

Figure 8-9 shows the speaker cabling. Left and right are reversed.
Tip

Before plugging cables into the Codec, label each one. For example, Left Speaker, Center Speaker.

Step 10

Connect the following cables:

- Attach and route the power cables for the lighting assembly by connecting the lights to the auxiliary control unit.
- Connect the DSUB to 8-P MINI DIN cable between the projector and the auxiliary control unit.
- Connect the Ethernet cables between the codec and the auxiliary control unit.
- Connect the power cord for the auxiliary control unit to a wall outlet.
Before plugging the Light fixture power cables into the auxiliary control unit, label each one. For example, 5' Left light, 4' Right light.
Step 11  Attach and route the power and signal cables for the plasma displays.

**Note**  Connect the center plasma display to “UNSWITCHED” outlet of the auxiliary control unit.

*Figure 8-11  Cabling the Plasma displays*

*Tip*  Before you plug cables into a Codec or PDU, label each cable.
Step 12  Connect the camera assembly cables.

Figure 8-12  Cabling the Camera assembly

The camera cluster can experience radio frequency interference issues if the camera Ethernet and video cables are routed, bundled, or tied together. Cisco recommends that you route the Ethernet and video cables separately and use cable ties to tie them to opposite sides of the frame.

Figure 8-12 displays the rear view of the Cisco TelePresence System 3000. Left and right are reversed.

Tip  Before you plug cables into a Codec, label each cable.
Step 13 Attach the ferrite cores to the ends of all six camera cables (both the video and Ethernet cables, 12 ferrite cores total).

Wrap the cables around the ferrite as shown in Figure 8-13. Attach the ferrite cores so that they are approximately 1 1/2 inches (4 cm) from the connectors.

![Figure 8-13 Connecting the Ferrite Cores](image)

Step 14 Connect the cables between the primary and secondary codecs.

Note If you ordered a Presentation Codec or Auxiliary Control Unit with your TelePresence system, see Figure 8-16 for additional cabling information.
Figure 8-14 Connecting the Codec Signal Cables

Note Figure 8-14 displays the rear view of the Cisco TelePresence System 3000. Left and right are reversed.
Cable routing for the auxiliary control unit and projector for a standard CTS 3000 installation is shown in Figure 8-15.

Figure 8-15  Cable Routing for Standard CTS 3000
Cable routing for a standard CTS-3000 installation that uses a presentation codec is shown in Figure 8-16. Refer to the “Options for the Cisco TelePresence System 3000” chapter of the Cisco TelePresence Hardware Options and Upgrade Guide for more information about the presentation codec.

Figure 8-16  Cable Routing for CTS-3000 with Presentation Codec

Step 15  (Optional) If your installation uses an optional external display or a document camera, install and route the cabling.
Note Because you need to split the video signal between the projector and any additional video output, you must purchase at least one extra cable to connect optional external display(s). Cables for the external displays and document camera are not included with the standard Cisco TelePresence installation.

Note When you use the audio/video extension unit as a video splitter, connect port 1 of the “Video in” connection from the codec, and port 4 of the “Video out” connection to the projector.
Figure 8-17  Cabling Diagram: CTS 3000 Installations with an External Display and Document Camera

Step 16  (Optional) If your installation uses an external display or a document camera with a presentation codec, install and route the cabling.
Refer to the “Options for the Cisco TelePresence System 3000” chapter of the Cisco TelePresence Hardware Options and Upgrade Guide for more information about the presentation codec.

**Note**  
Because you need to split the video signal between the projector and any additional video output, you must purchase at least one extra cable to connect optional external display(s). Cables for the external displays and document camera are not included with the standard Cisco TelePresence installation.

**Note**  
When you use the audio/video extension unit as a video splitter, connect port 1 of the “Video in” connection from the presentation codec, and port 4 of the “Video out” connection to the projector.
Figure 8-18  **Cabling Diagram: CTS 3000 Installations with a Presentation Codec, External Display and Document Camera**

**Auxiliary Control Unit**

- **Serial 2**
- **Serial 1**
- **Ethernet 1**
- **Ethernet 2**

**External Display (Optional)**

- **Video In**

**Presentation Codec**

- **Serial**
- **Video In**
- **Document Camera Signal**
- **Auxiliary Video In**
- **Video Out**

**Document Camera (Optional)**

- **Document Camera Video Out**
- **Document Camera Signal**

**Primary Codec**

- **Audio Expansion Unit**
- **Speaker**
- **First Row Center Microphone**
- **Left Codec**
- **Right Codec**

**Audio/Video Expansion Unit**

- **Video In**
- **Video Out**

**Primary Codec**

- **IP Phone**
- **Auxiliary network port**
- **Display**
- **Auxiliary Video In**
- **Document Camera Video Out**
- **Document Camera Video In**
- **Auxiliary Video Out**