DESCRIPTION
Cooper Power Systems 600 A, 15 and 25 kV class insulated protective cap meets the full requirements of ANSI/IEEE Standard 386—Separator Insulated Connector Systems and provides insulated, fully shielded submersible protection for energized 15 and 25 kV class deadbreak interfaces. The cap is required for temporary or permanent installation on 15 and 25 kV deadbreak bushings, junctions and other accessories having interfaces that conform to ANSI/IEEE Standard 386.

The cap design includes a semi-conducting EPDM insert for stress relief and high quality peroxide cured EPDM insulation. The molded EPDM semi-conducting shield maintains ground potential on the cap’s surface when the drain wire is connected to a common ground.

INSTALLATION
No special tools are required. A hotstick tool is used to place the protective cap on a de-energized bushing. Refer to Service Literature S600-23-1 for installation instruction.

PRODUCTION TESTS
Tests are conducted in accordance with ANSI/IEEE Standard 386.

- ac 60 Hz 1 Minute Withstand — 40 kV
- Minimum Corona Voltage Level — 19 kV

Tests are conducted in accordance with RTE Components requirements.
- Physical Inspection
- Periodic Dissection
- Periodic Fluoroscopic Analysis
Voltage ratings and characteristics are in accordance with ANSI/IEEE Standard 386.

### TABLE 1

<table>
<thead>
<tr>
<th>Description</th>
<th>kV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Voltage Class</td>
<td>25</td>
</tr>
<tr>
<td>Maximum Rating Phase-to-Ground</td>
<td>15.2</td>
</tr>
<tr>
<td>ac 60 Hz 1 Minute Withstand</td>
<td>40</td>
</tr>
<tr>
<td>dc 15 Minute Withstand</td>
<td>78</td>
</tr>
<tr>
<td>BL and Full Wave Crest</td>
<td>125</td>
</tr>
<tr>
<td>Minimum Corona Voltage Level</td>
<td>19</td>
</tr>
</tbody>
</table>

Voltage ratings and characteristics are in accordance with ANSI/IEEE Standard 386.

**Figure 3.**
Cutaway Illustration of Standard Cap with Drain Wire shows design detail and dimensions.

NOTE: Dimensions given are for reference only.
ORDERING INFORMATION

To order a Cooper Power Systems 15 and 25 kV class insulated protective cap kit, refer to Table 2.

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Cap with drain wire (See Figure 3) with permanent studs</td>
<td>DPC625</td>
</tr>
<tr>
<td>U-OP/T-OP II Cap with drain wire (See Figure 4) without stud</td>
<td>DPC625UT</td>
</tr>
</tbody>
</table>

Each kit contains:
- Protective Cap
- Silicone Lubricant
- Installation Instruction Sheet

TABLE 2
Insulated Protective Cap Kits

Figure 4.
Cutaway illustration of T-OP II Cap with Drain Wire shows design detail and dimensions.

NOTE: Dimensions given are for reference only.