The following table shall be used to determine the maximum number of cables:

<table>
<thead>
<tr>
<th>Cables per Group</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Cables</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td>12</td>
<td>15</td>
</tr>
</tbody>
</table>

The maximum number of permitted cables shall be determined according to the number of cables and the number of groups. The following conditions shall be observed:

1. The total number of cables shall not exceed the maximum permitted.
2. The cables shall be arranged in parallel and bundled together.
3. The cables shall be secured with clamps or ties at regular intervals.
4. The cables shall be labeled according to the electrical circuit diagram.

The following electrical systems shall be considered:

- Grounding and bonding systems
- Lighting systems
- Motor control systems
- Communication systems

The installation shall comply with the National Electrical Code (NEC) and local electrical codes.

The installation shall be performed by a qualified electrician.

The installation shall be inspected by a qualified inspector.

The installation shall be tested for compliance with the NEC.

Electrical Systems