Panel Wiring Notes

All wiring to and from your NEWMAR electrical panel should conform to USCG 33 CFR 183-1 and ABYC Standards E8 (AC Systems on Boats) or E9 (DC Systems on Boats).

For copies of these documents contact:

- Superintendent of Documents
  Government Printing Office
  Washington DC 20402
  Request 33 CFR 183, Subpart 1.

- American Boat and Yacht Council
  3069 Soloman's Island Road
  Edgewater, MD 21037
  Request: Standards and Recommended Practices for Small Craft
  AC Systems - Section E8
  DC Systems - Section E9

**CAUTION:** This installation should only be performed by a competent marine electrician or someone thoroughly familiar with marine electrical systems.

Allowable Amperage of Conductors when 1 to 2 Conductors are bundled, 105°C Insulation, per ABYC E8, page 14.

<table>
<thead>
<tr>
<th>Conductor Size</th>
<th>Outside Engine Spaces</th>
<th>Inside Engine Spaces</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>20</td>
<td>17</td>
</tr>
<tr>
<td>16</td>
<td>25</td>
<td>21.3</td>
</tr>
<tr>
<td>14</td>
<td>35</td>
<td>29.8</td>
</tr>
<tr>
<td>12</td>
<td>45</td>
<td>38.3</td>
</tr>
<tr>
<td>10</td>
<td>60</td>
<td>51</td>
</tr>
<tr>
<td>8</td>
<td>80</td>
<td>68</td>
</tr>
<tr>
<td>6</td>
<td>120</td>
<td>102</td>
</tr>
</tbody>
</table>

**Note:** These illustrate typical installations—consult ABYC Section E8 or E9 for your specific system.

M-PNLWIR-D
As of July 2004

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