Aluminum Mobile Home Feeder


APPLICATIONS

Southwire® Type mobile home feeder is intended for the connection of mobile homes to a supply of electricity where permanent wiring is required as specified in the 2011 National Electrical Code. Suitable for direct burial in earth at conductor temperatures not to exceed 90 °C. Voltage rating is 600 volts.

STANDARDS & REFERENCES

Southwire® Type RHH or RHW-2 or USE-2 conductors comply with the following:
- UL Standard 44
- UL Standard 854
- National Electrical Code, NFPA 70, 2011 Edition
- NEMA WC-70 Construction Requirements
- RoHS/Reach Compliant

CONSTRUCTION

Southwire® mobile home feeder consists of four quadruplexed type RHH or RHW-2 or USE-2 Alumaflex® Brand AA-8000 series aluminum alloy compacted conductors. The cable contains 2 triple-extruded phase conductors, a white striped neutral conductor and a green grounding conductor to eliminate the need for field marking per the National Electrical Code. The insulation is sunlight resistant.
**RECOMMENDED SAMPLE SPECIFICATIONS:**

Cable shall be UL-listed Type RHH or RHW-2 or USE-2, suitable for direct burial and operation at 600 volts. Conductors shall be Alumaflex® brand aluminum alloy as manufactured by Southwire Company or approved equal. The cable shall contain a triple extruded white striped neutral conductor and a solid green grounding conductor to eliminate the need for field marking per the National Electrical Code.

<table>
<thead>
<tr>
<th>Size (AWG)</th>
<th>Phase Conductor</th>
<th>Neutral Conductor</th>
<th>Grounding Conductor</th>
<th>Overall Cable O.D. (Mils)</th>
<th>Weight Per 1000' (Lbs)</th>
<th>Ampacity</th>
<th>Standard Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-2-4-6</td>
<td>6</td>
<td>7</td>
<td>6</td>
<td>292</td>
<td>937</td>
<td>301</td>
<td>100</td>
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<tr>
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<td>6</td>
<td>4</td>
<td>333</td>
<td>345</td>
<td>100</td>
<td>AB</td>
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<td>1294</td>
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<td>8</td>
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<td>671</td>
<td>150</td>
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<tr>
<td>4/0-4/0-2/0-4</td>
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<td>18</td>
<td>7</td>
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<td>1533</td>
<td>784</td>
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</table>

Insulation thickness is 60 mils for #4 - 1/0 AWG, 80 mils for 2/0 AWG and larger. For dwelling ampacity use section 310.15 (B)(7). For compact-stranded construction, the number of wires, as permitted by UL Standard 44 and ASTM B-801, may be reduced for 19-wire constructions to 18 wires minimum.

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**Package Codes**

- A - 500'
- B - 1,000'
- C - 2,500'