ENGINEERING SPECIFICATIONS

Standards
Compact Stranded Aluminum Alloy 1350 Series per ASTM B233, ASTM B836, ASTM B232; ANSI/ICEA S-76-474;
ARRA 2009 Section 1605 “Buy American” Compliant; RoHS Compliant; RUS Accepted

CONSTRUCTION

Conductors
Insulated Conductor: Compact Stranded Aluminum Alloy 1350 Series per ASTM B230, ASTM B609, ASTM B231, and ASTM B836
Neutral Conductor: Stranded Aluminum Steel Reinforced (ACSR), 1350 Series Alloy Bare Supporting Neutral with Steel Support Center Wire per ASTM B230 and ASTM B232

Insulation
Cross-link polyethylene (XLPE) black insulation per ANSI/ICEA S-76-474, rated 90°C wet or dry

APPLICATIONS

Duplex overhead service drop cable with ACSR 1350 Series alloy supporting neutral is designed for applications not exceeding 600 volts with a maximum conductor operating temperature of 90°C wet or dry. Primarily used for delivering single phase power from utility power lines or transformers to the service point of a building or structure. Suitable for 120-volt aerial service for outdoor lighting or for temporary service at construction sites.

FEATURES

Duplex overhead service drop cable has one black XLPE insulated aluminum conductor cabled around a bare-stranded ACSR 1350 Series alloy supporting neutral with steel support center wire. Superior weather, abrasion, crush, and sunlight-resistant XLPE insulation rated 90°C operation wet or dry. Manufactured and tested according to ANSI/ICEA S-76-474: Standard for Neutral Supported Power Cable Assemblies with Weather-Resistant Extruded Insulations Rated 600 Volts. Insulated conductor is surface printed for identification.

<table>
<thead>
<tr>
<th>Code Name</th>
<th>Phase Conductors</th>
<th>Bare Neutral Conductor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Size (AWG)</td>
<td>No. of Strands</td>
</tr>
<tr>
<td>Sheppard</td>
<td>6-6</td>
<td>6</td>
</tr>
<tr>
<td>Terrier</td>
<td>4-4</td>
<td>4</td>
</tr>
<tr>
<td>Chow</td>
<td>2-2</td>
<td>2</td>
</tr>
<tr>
<td>Bull</td>
<td>1/0-1/0</td>
<td>1/0</td>
</tr>
</tbody>
</table>

1. Amperages are shown for non-NEC applications and are based on the following factors:
   a) conductor temperature of 65°C over 25°C ambient temperature
   b) 2 ft/sec crosswind
   c) .9 coefficient of emissivity, no sun

For NEC® type applications, consult appropriate NEC amperage section
The above data is approximate and subject to normal manufacturing tolerances.

2. Engineers: Reference the Aluminum Electrical Conductors Handbook.