OVERHEAD CATENARY WIRE PURE HARD DRAWN COPPER
Contact / Trolley Wire for Transit Systems

Images not to scale. See Table 1 for Dimensions

CONSTRUCTION:
This product offers: excellent corrosion resistance, wear characteristics, and high-tensile strength properties. Hard Drawn Copper trolley wire is offered in the ASTM configurations: grooved, figure 8, or figure 9.

APPLICATIONS AND FEATURES:
For use as overhead power source for subways, light and heavy transit systems, electrically powered mine train, buses, and industrial cranes. Southwire hard drawn copper trolley wire is ideal for high-speed rail transportation system.

• Mechanically Rugged
• High Tensile Strength and Breaking Load
• Low Thermal Loss
• RoHS/Proposition 65 Compliant
• Stable and Reliable for Long Term use
• Easy to Install for Renovating Exiting Lines in the Field.

SPECIFICATIONS:
• ASTM B47 - Copper Trolley Wire
• ASTM B116 - Figure-9 deep-section grooved and Figure-8 copper trolley wire for use in industrial haulage
### TABLE 1 Weights and Measurements

<table>
<thead>
<tr>
<th>Stock Number</th>
<th>Conductor Size</th>
<th>Overall Diameter</th>
<th>Area</th>
<th>Weight</th>
<th>Tensile Strength (minimum)</th>
<th>Resistance @ 68°F 20°C</th>
<th>Min Breaking Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Pounds/1,000 Ft.</td>
<td>Pounds/Mile</td>
<td>Lbs./in²</td>
</tr>
<tr>
<td>TBD</td>
<td>2/0</td>
<td>0.392</td>
<td>137,900</td>
<td>0.1083</td>
<td>416.61</td>
<td>2205</td>
<td>50,200</td>
</tr>
<tr>
<td>TBD</td>
<td>3/0</td>
<td>0.430</td>
<td>167,300</td>
<td>0.1314</td>
<td>506.44</td>
<td>2674</td>
<td>48,500</td>
</tr>
<tr>
<td>592467</td>
<td>4/0</td>
<td>0.482</td>
<td>212,000</td>
<td>0.1665</td>
<td>641.86</td>
<td>3389</td>
<td>46,600</td>
</tr>
<tr>
<td>597541</td>
<td>300</td>
<td>0.574</td>
<td>299,800</td>
<td>0.2356</td>
<td>907.58</td>
<td>4792</td>
<td>44,200</td>
</tr>
<tr>
<td>587578</td>
<td>350</td>
<td>0.620</td>
<td>351,200</td>
<td>0.2758</td>
<td>1062.88</td>
<td>5612</td>
<td>42,800</td>
</tr>
</tbody>
</table>

Notes:
1. These numbers represent the minimum percent IACS conductivity of the alloys. Other alloys are available subject to special inquiry.
2. Figure 8 and 9 wire are also available upon request. Size 6 AWG (336,200 Cmil) Grooved wall will be regularly furnished as 350,000 Cmil size.
3. Tolerances: The above data are approximately and subject to normal manufacturing tolerances. Weights, breaking strengths and resistance are based on nominal dimensions.