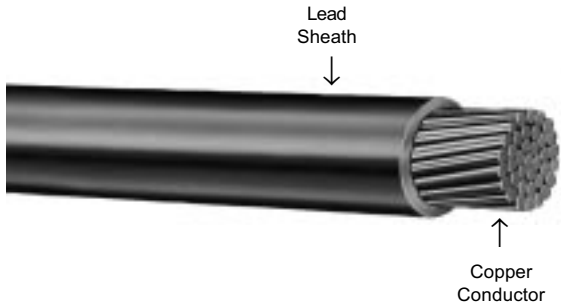


## ROME LEAD-COVERED COPPER GROUNDING CONDUCTOR

<p><b>APPLICATION:</b> As a grounding grid conductor for use in power distribution systems where a lead sheath is required over the copper conductor to provide additional protection against corrosion.</p> <p><b>STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. Conforms to ASTM B-8 for Concentric-lay Stranded Copper Conductors.</li> <li>2. Conforms to ASTM B-29 for PIG LEAD.</li> </ol> <p><b>CONSTRUCTION:</b> Annealed uncoated Class B stranded copper conductor with lead sheath.</p>		 <p>The diagram shows a cross-section of the conductor. A central bundle of copper strands is labeled 'Copper Conductor' with an upward-pointing arrow. This bundle is surrounded by a thick, dark outer layer labeled 'Lead Sheath' with a downward-pointing arrow.</p>		
Size AWG or kcmil	No. of Strands	Lead Sheath Thickness in Mils	Nominal Diameter Inches	Approx. Net. Wt. Lb./1000 Ft.
4	7	45	.330	390
2	7	45	.380	520
1/0	19	45	.470	685
2/0	19	65	.550	955
3/0	19	65	.610	1110
4/0	19	65	.670	1290
250	37	65	.715	1440
300	37	65	.770	1685
350	37	65	.820	1890
400	37	65	.870	2145
500	37	65	.955	2675

## Specification

### Rome Lead-Covered Copper Grounding Conductor

#### **1. SCOPE**

- 1.1 This specification describes a uncoated soft copper conductor, sheathed with lead for use as a grounding conductor in corrosive locations.

#### **2. STANDARDS**

- 2.1 The following standards shall form a part of this specification to the extent specified herein:
  - 2.1.1 American Society for Testing & Materials, ASTM B-8, Concentric-lay Copper Conductors.
  - 2.1.2 American Society for Testing & Materials, ASTM B-29, Pig Lead.

#### **3. CONDUCTORS**

- 3.1 The conductor shall be uncoated annealed copper, meeting the requirements of the reference ASTM standard for Class B stranded conductors.

#### **4. COVERINGS**

- 4.1 The copper conductor shall be covered by an extruded layer of pig lead, meeting the requirements of the ASTM standard.
- 4.2 The lead sheath thickness shall be 45 mils for sizes through 1/0 AWG and 65 mils for larger sizes.