

## ROME ANNEALED COPPER CONDUCTOR

Solid or Stranded  
Bare or Tin Coated

**APPLICATION:** For use on insulators for overhead distribution circuits or for grounding conductors.

**STANDARDS:**

1. Conforms to ASTM B-3 "Soft or Annealed Copper Wire."
2. Conforms to ASTM B-8 for "Concentric-Lay Stranded Copper Conductors."
3. Conforms to ASTM B-33 for "Tinned Soft or Annealed Copper Wire for Electrical Purposes."
4. Conforms to Federal Standard QQ-W-343.

**CONSTRUCTION:** Soft or annealed, bare or tin coated, solid or concentric stranded copper conductor.



Size AWG or kcmil	No. of Strands	Nom. Diam. Inches	Approx. Wt. Lb./1000 Ft.	
			Net	Shipping
<b>Solid Bare</b>				
14	Solid	.0641	12	22
12	Solid	.0808	20	30
10	Solid	.1019	31	41
8	Solid	.1285	50	60
6	Solid	.1620	79	89
4	Solid	.2043	126	136
2	Solid	.2576	201	-
<b>Solid Tinned</b>				
8	Solid	.1285	50	-
6	Solid	.1620	79	-
4	Solid	.2043	126	-
2	Solid	.2576	201	-
<b>Stranded Bare</b>				
8	7	.142	51	61
6	7	.179	81	91
4	7	.225	129	139
2	7	.283	205	-
1/0	19	.362	326	-
2/0	19	.406	411	-
3/0	19	.456	518	-
4/0	19	.512	653	-
250	37	.558	772	-
350	37	.661	1081	-
500	37	.789	1544	-
<b>Stranded Tinned</b>				
8	7	.146	51	-
6	7	.184	81	-
4	7	.232	129	-
2	7	.292	205	-
1/0	19	.373	326	-
2/0	19	.419	411	-
3/0	19	.470	518	-
4/0	19	.528	653	-
250	37	.575	772	-
350	37	.681	1081	-
500	37	.813	1544	-
<b>Class A Stranded - Bare</b>				
1/0	7	.368	326	-
2/0	7	.414	411	-
3/0	7	.464	518	-
4/0	7	.522	653	-
250	19	.574	772	-
350	19	.679	1081	-
500	37	.813	1544	-

## Specification

### ROME ANNEALED COPPER CONDUCTOR

#### Solid or Stranded Bare or Tin Coated

#### 1. SCOPE

- 1.1 This specification describes solid and stranded annealed or soft drawn bare or tin coated uninsulated copper wire for all applicable uses.

#### 2. STANDARDS

- 2.1 American Society for Testing Materials, ASTM Specification B-3, latest revision, Soft or Annealed Copper Wire.
- 2.2 American Society for Testing Materials, ASTM Specification B-8, latest revision, Concentric-Lay-Stranded Copper Conductors.
- 2.3 American Society for Testing Materials, ASTM Specification B-33, latest revision, Tinned Soft or Annealed Copper Wire for Electrical Purposes.
- 2.4 Federal Specification QQ-W-343, latest revision, Wire, Electrical, Copper, Uninsulated.

#### 3. CONDUCTOR

- 3.1 Solid conductors and individual members of stranded conductors shall meet the requirements of ASTM B3.
- 3.2 Stranded conductors shall be assembled in accordance with the requirements of ASTM B8.
- 3.3 Tinned conductors shall meet the requirements of ASTM B33.

#### 4. TESTS

- 4.1 Copper conductors shall be tested to meet the requirements of the ASTM standards. Certified Test Reports may be furnished if requested prior to manufacture of the conductor.

#### 5. PACKAGING

- 5.1 Conductors shall be packaged in accordance with standard commercial practice.