

## Wire, Solid Bare Copper, Hard Drawn



---

### 1. Scope

This standard covers the requirements for hard drawn, solid bare copper wire.

This standard applies to the following Seattle City Light (SCL) stock numbers:

<u>Stock No.</u>	<u>Size (AWG)</u>
610006	2
610008	4

---

### 2. Application

Wire is used as a bare, overhead, distribution conductor. Because of its forming characteristics, Stock Number 610006 has special application as bus on overhead terminal poles or making (working) ground connections in underground vaults.

---

### 3. Industry Standards

Wire shall meet the applicable requirements of the latest revision of the following industry standards:

**ASTM B1** – Standard Specification for Hard-Drawn Copper Wire

**NEMA WC-26** – Binational Wire and Cable Packaging Standard

---

Standards Coordinator  
John Shipek

Standards Supervisor  
John Shipek

Unit Director  
Darnell Cola



#### 4. Requirements

Wire shall meet the applicable requirements of ASTM B1 and Table 4.

**Table 4. Requirements**

Stock No.	Size (AWG)	Diameter (in)	Weight (lb per 100 ft)
610006	2	.258	20.1
610008	4	.204	12.6

---

#### 5. Packaging

Wire shall be packaged to prevent damage during shipping, handling and storage.

Reels shall be non-returnable wood type measuring 36" x 24" x 17" (or 40" x 24" x 17") meeting the requirements of WC-26.

Each reel shall have two each 1-1/2 inch diameter drive pin holes on each side, on a minimum radius of 6 inches.

Wire shall be packaged according to Table 5.

**Table 5. Packaging**

Stock No.	Size (AWG)	Standard Package	Length, Nominal (ft per standard package)	Weight, Nominal (lb per standard package)
610006	2	Reel	1000	201
610008	4	Reel	10,000	1264

The wire shall be adequately protected to ensure safe delivery without damage. The inner end of the wire shall be brought to the outside of the reel flange and securely fastened with steel staples appropriate to the wire size. The inner end shall not be brought out through the reel arbor. The outer end shall be fastened to the inner side of the flange with steel staples appropriate to the wire size.

Each package shall be marked with:

- Length of wire
- Manufacturer name and address
- Seattle City Light stock number

Each shipping container shall be marked with Seattle City Light purchase order number.

---

#### 6. Shipping

Reels must be delivered in upright position suitable for side unloading by forklift, and not strapped or palleted.

---

#### 7. Issuance

Stock Unit: FT

## 8. Approved Manufacturers

Nehring Electrical Works Company  
Republic Wire, Inc.  
Service Wire Company  
Southwire Company

---

## 9. References

**SCL Material Standard 6100.1** (canceled); "Wire, Bare Copper Solid, Hard Drawn"

**Shipek, John**; SCL Standards Engineer, subject matter expert and originator of 6101.10  
(john.shipek@seattle.gov)

**Standard Handbook for Electrical Engineers**; 8th Edition; A.E. Knowlton, McGraw Hill  
Book Company, Inc., 1949