

Bus Bar, Copper, Half Hard Tempered



1. Scope

This standard covers the material requirements for copper, half hard tempered bus bar.
This material is purchased in 12-ft lengths.

Stock No.	Width (in)
630025	2
630026	2-1/2
630027	3
630029	4
630030	5
630031	6

2. Application

Copper bus bar is used in Seattle City Light's (SCL's) Network system to connect transformers. The bus bar is cut to length on the job as needed. Copper is the preferred material for use by crews for this application due to its high ampacity as well as ability to resist corrosion, which is prevalent in our region's commercial building vault environments.

Bus bar widths of 2-1/2 in, 5 in and 6 in are special order and not normally stocked in the warehouse.

Standards Coordinator
Kathy Tilley

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Standards Supervisor
John Shipek

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Unit Director
Darnell Cola

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3. Industry Standards

Copper bus bar shall meet the applicable requirements of the following industry standard:

ASTM B187/B187M; Standard Specification for Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, 2011 edition.

4. Requirements

4.1 General

Table 4.1. Bus Bar Requirements

Attribute	Requirement
Composition	Copper
Shape	Rectangular
Corners	Commercially square
Temper	H02 (Half Hard)
Chemical Requirements	As detailed in Table 1 of ASTM B187/B187M

4.2 Detailed

Table 4.2. Copper Bus Bar, Dimensions and Weight

Stock No.	Thickness (in)	Thickness Tolerance (in)	Width (in)	Width Tolerance (in)	Weight (lb/ft)
630025	0.25	±(.003)	2	+-(.008)	1.93
630026	0.25	±(.004)	2-1/2	+-(.012)	2.42
630027	0.25	±(.006)	3	+-(.012)	2.90
630029	0.25	±(.004)	4	+-(.012)	3.86
630030	0.25	±(.0045)	5	+-(.015)	4.83
630031	0.25	n/a	6	n/a	5.80

5. Approved Manufacturers

Stock No	Width (in)	Thyssen Krupp Part No.
630025	2	CURECO1230
630026	2-1/2	CURECO0118
630027	3	CURECO1227
630029	4	CURECO0201
630030	5	CURECO1183
630031	6	CURECO1231

6. Issuance

Stock Unit: FT

7. Sources

Byun, Robin; SCL Standards Engineer and subject matter expert for 6300.07
(robin.byun@seattle.gov)

Thyssen Krupp Materials Catalog; tkmna.com

Tilley, Kathy; SCL Electrical Engineering Support Specialist and originator of 6300.07
(kathy.tilley@seattle.gov)