

Flat, Tinned-Copper Braid



1. Scope

This standard covers the requirements for flat, tinned-copper braid for use in grounding cables and forming jumpers on submersible, single-phase transformers.

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

Stock No.	Flat width, nominal (in)	Thickness, nominal (in)
618614	0.250	0.046
618625	0.625	0.046
618624	0.625	0.093
013491	1.375	0.120
618615	1.750	0.130

2. Application

Flat, tinned-copper braid is used by crews for grounding cables and by the Transformer Shop when forming jumpers on submersible, single-phase transformer secondary terminals.

3. Properties (nominal)

Individual strands must meet ASTM B33-10 Standard Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes.

Standards Coordinator
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Standards Supervisor
John Shipek



Unit Director
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Manufactured flat, tinned-copper braid shall meet the requirements of Section 1 and the following:

Stock No.	Approximate AWG Equivalent	Circular mil area	Stranding (Number of strands x AWG per strand)
618614	12	6,000	240 x #36
618625	9	13,200	528 x #36
618624	5	36,180	360 x #30
013491	1/0	105,600	1056 x #30
618615	2/0	124,800	1248 x #30

4. Packaging

Each reel shall be individually protected with plastic and legibly marked with the following information:

- Manufacturer's name
- Manufacturer's catalog number
- Product description.

Each shipping container shall be marked with SCL's purchase order number.

5. Issuance

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6. Approved Manufacturers

Stock No.	Continental Cordage	Electric Motion Company
618614	231/1	EM241036
618625	233/1	EM481136
618624	242	EM241530
013491	278	EMFB482230
618615	279	EM482730

8. References

ASTM B33-10; "Standard Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes"

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www.electricmotioncompany.com

www.iwgcontinentalcordage.com