

FUSE, TIME-DELAY, 480 VOLT



1. Scope

This material standard covers the requirements for 480 Vac rated, time-delay, cartridge type fuses.

This material standard applies to the following Seattle City Light Stock Numbers:

Stock Number	Current Rating, A
683171	10
683172	15
683165	35
683163	50

2. Application

Time-delay fuses are used to protect branch circuits where the available short-circuit current does not exceed 100,000 amperes.

Time-delay fuses are appropriate for lighting, heating, and other non-inductive circuits.

Time-delay fuses are designed with varied lengths to prevent misapplication.

Time-delay fuses are used in holders specified in Material Standard 6857.05.

Stock Number 683171 is used in physical totaling metering schemes (rare).

3. Industry Standards

Time-delay fuses shall meet the applicable requirements of the following industry standard and its amendment:

UL Standard 248-5 - Underwriters Laboratories Inc., Low Voltage Fuses - Part 5: Class G Fuses, January 1, 2000

UL Standard 248-5 (Amendment) -

Underwriters Laboratories Inc., Low Voltage Fuses - Part 5: Class G Fuses, April 14, 2004

4. Attributes

Time-delay fuses shall have the following attributes:

UL class	G
Voltage rating	480 Vac
Interrupting rating (IR)	100,000 A RMS symmetrical
Terminal style	ferrule

5. Tests and Test Reports

Data that establishes compliance with the requirements of UL 248-5 and this material standard shall be provided upon request.

6. Marking

Each time-delay fuse shall be permanently marked with:

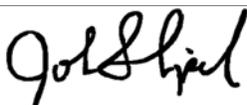
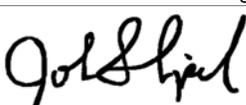
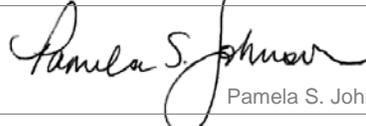
- Manufacturer's name or symbol
- Manufacturer's catalog number
- Voltage rating
- Ampere rating

7. Packaging

Time-delay fuses shall be packaged to prevent damage during shipping, handling, and storage.

8. Issuance

EA

standards coordinator	standards manager	unit director
 John Shipek	 John Shipek	 Pamela S. Johnson

MATERIAL STANDARD

Fuse, Time-Delay, 480 Volt

standard number: **6855.25**superseding: February 19, 2010
effective date: December 14, 2010
page: 2 of 2**9. Approved Manufacturers**

Stock Number	Current Rating, A	Diameter, in	Length, in	Catalog Numbers		
				Bussman	Mersen	Littelfuse
683171	10	13/32	1-5/16	SC-10	AG10	SLC-10
683172	15	13/32	1-5/16	SC-15	AG15	SLC-15
683165	35	13/32	2-1/4	SC-35	AG35	SLC-35
683163	50	13/32	2-1/4	SC-50	AG50	SLC-50

10. References

6857.05; "Fuse Holders, In-line, Water-Resistant, and Insulating Boots"; Material Standard; SCL

Cooper Bussmann Full Line Catalog No. 1007; 2007

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