

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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