GUAM POWER AUTHORITY
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TRANSMISSION AND DISTRIBUTION

SPECIFICATION NO. E-023

FOR

15KV FUSES

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1.0 SCOPE:

This specification covers GPA's requirement for 60 hertz, general-purpose fuses and end-fitting hardware for use in a cutout body on overhead systems at 13.8 KV phase to phase.

2.0 CONFORMANCE TO SPECIFICATION:

2.1 APPLICABLE DOCUMENTS

The equipment specified herein shall be designed, manufactured, assembled, and tested in accordance with ANSI C37.41, C37.47 and NEMA SG2 unless otherwise stated herein.

2.2 ACCEPTANCE REQUIREMENTS

2.2.1 Equipment purchased under this specification will be accepted under the requirements specified herein.

2.3 DEVIATIONS AND NONCONFORMANCE REQUIREMENTS

2.3.1 Deviations from this specification must be approved by GPA's Engineering Department and acknowledged on the purchase order by all applicable appendices to the specification.

2.3.2 Deviations from this specification or changes in the material or design after purchase order has been placed, must be approved by GPA's Engineering Department and acknowledged by an appendix to the specification which shall be issued by a Purchase Order Amendment.

2.3.3 Units received with deviations from this specification not acknowledged by 2.3.1 or 2.3.2 are subject to rejection.

3.0 DESIGN:

3.1 The fuse shall be of high tensile strength for open link cutout operation.

3.2 The fuse end-fitting hardware shall be designed and constructed such that they may be easily replaced as a complete assembly after fuse operation, while maintaining the maximum electrical, mechanical, and enviromental characteristics specified herein.

3.3 The fuse and assembly shall be suitable for operation on 13.8 KV overhead systems. Fuse sizes shall be as specified on the Purchase Order.

3.4 Two sets of total clear and minimum melt curves shall be submitted.

3.5 PERFORMANCE AND TESTING

The fuses and end-fitting hardware shall meet the performance and testing requirements established in ANSI C37.41, C37.47, and NEMA SG2 unless otherwise stated herein.

4.0 MANUFACTURING

4.1 MARKING AND IDENTIFICATION

Fuse shall be indeliby marked with the manufacturer's name; manufacturer's identification number; month and year of manufacture; maximum voltage, rated continuous and maximum interrupting current ratings; and specific identification to designate the fuse curve.

5.0 QUALITY CONTROL:

5.1 QUALITY CONTROL PROGRAM

The manufacturer shall have a quality control program to enable them to assure compliance with our specification.

5.2 CERTIFIED TEST RESULTS

Certified test results of tests conducted as required by and in compliance with ANSI C37.41, C37.47 and NEMA SG2 shall be furnished to GPA.

6.0 PREPARATION FOR SHIPMENT:

6.1 HANDLING, STORAGE AND DELIVERY

The supplier shall have adequate work and inspection instructions for handling, interim storage, preservation, packaging and shipping to protect the quality of fuses and prevent damage, loss, deterioration and substitution of products.

RATINGS AND DIMENSIONS

AMPERES	OVERALL LENGTH	AMPERES	OVERALL LENGTH	AMPERES	OVERALL LENGTH
1	23"	12	23"	50	23"
2	23"	15	23"	65	23"
3	23"	20	23"	80	23"
6	23"	25	23"	100	23"
8	23"	30	23"	140	21"
10	23"	40	23"	200	21"