

FED. SUPPLY CLASS

PACK

1.0 SCOPE: This standard provides a method for the packaging of electrical cable-cord-wire in coils or on spools or reels.

2.0 REFERENCE

2.1 General Packaging Standard NAS850

3.0 REQUIREMENTS

3.1 General

3.1.1 Requirements of General Packaging Standard NAS850 are part of this standard except as noted herein.

3.1.2 Preservatives shall not be applied to any item.

3.1.3 Only one continuous cable, cord or wire (size, type, class, etc.) shall be contained in/on any one coil, spool or reel-type package or reel. Items shall be coiled in successive turns or layers in uniform, compact configuration on spools, spool or reel-type packages, reels or coiled within a suitable container. The diameter of the coils shall not be less than 14 times the diameter of the item for non-flexing service types and not less than 10 times the diameter of the item for other types unless otherwise specified on the purchase order or contract.

EXCEPTIONS: Semi-rigid co-axial cable having solid metal jacket shall have a minimum diameter coil of 36 inches.

3.1.4 When coils are used, retain configuration by one or more of the following methods: Blocking, bracing, cushioning, affixing core spool or by tying, taping or strapping at three places equally spaced around the circumference of the coil. Steel strapping shall not be used.

3.1.5 All types of cable, cord and wire (except lead-sheathed cable, varnished and bare copper wire, and non-wicking type wire) shall have each end sealed and secured to prevent unwinding or entry of moisture. Acceptable methods of sealing in preferential order are:

- Dip the ends to a minimum of a two inch depth in non-residue, hot dipping, strippable plastic coating compound.
- Wrap the ends with waterproof pressure sensitive adhesive tape applied over the end and extending back from the end four inches. On semi-rigid co-axial cables plastic cap plugs are acceptable.

3.1.6 Lead-sheathed cable shall have the sheath extended over the core and closed for a tight seal.

3.1.7 Varnished and bare copper wire and non-wicking type wire shall not have the ends sealed.

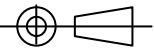
3.1.8 Cable, cord and wire ends shall be secured within the interface of the spools or reels, or conform to the configuration of the coils by taping or tying.

3.1.9 The flanges of any spool/reel shall extend beyond the coiled cable, cord or wire.

3.2 Unit Packaging

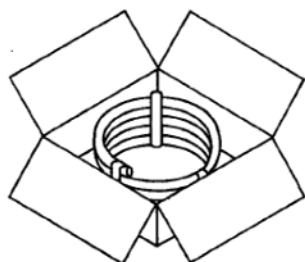
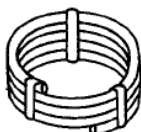
3.2.1 The quantity per unit package shall be as follows unless otherwise specified by the procurement document:

One (1) each length, type, or size

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3.2.2 Items shall be packaged in accordance with one of the methods described below:

3.2.2.1 Spool: Wrap or bag each spool With a waterproof material.

3.2.2.2 Spool or Reel-Type Package: Each spool or reel type package shall be wrapped or bagged with a waterproof material when contents are exposed by container's design.

3.2.2.3 Reel: The material on each reel shall be covered with waterproof material and secured.

3.2.2.4 Coil: Each coil of material (cable, cord, or wire) shall be individually wrapped or bagged in a waterproof material and secured.

NOTE: Coiling is not a preferred method.

3.2.2.5 The closure of the bag, envelope, should provide for the protection intended.

3.3 Intermediate Packaging

3.3.1 Intermediate packaging shall be in accordance with applicable requirements of NAS850.

3.4 Packing

3.4.1 Exterior packing shall be in accordance with applicable requirements of NAS850 except as noted.

3.4.2 The gross packed weight of any one container shall not exceed 200 pounds, except for individual items.

3.4.3 Any container exceeding 100 pounds shall be provided with skids and fork-lifting capability. Multiples should be palletized.

3.5 Marking

3.5.1 Unit, intermediate, and exterior containers shall be marked in accordance with applicable requirements of NAS850.

4.0 QUALITY ASSURANCE

4.1 Packages which do not conform to these requirements are subject to rejection and return to supplier at his expense.

5.0 NOTES

5.1 Definitions

5.1.1 SPOOL: Usually of either one piece of multi-piece construction with maximum diameter of 12 inches. Gross weight normally does not exceed 25 pounds.

5.1.2 SPOOL OR REEL-TYPE PACKAGE: Usually a small self-contained unit or box containing a spool or reel as an integral part and from which cable, cord or wire can be withdrawn without disassembly of the unit.

5.1.3 REEL: Usually of multi-piece construction with a minimum flange of 12 inches and a maximum flange of 108 inches.

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