

FED. SUPPLY CLASS

PACK

1.0 SCOPE: This standard provides a method for the packaging of electrical harness and cable assemblies.

2.0 REFERENCES

2.1 NAS850, General Packaging Standard

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 Packaging and packing of electrical harness and cable assemblies in straight lengths is preferred. Harness and cable assemblies may be coiled when necessary for reduction of package volume, ease of handling, and distribution of packed weight.
- 3.1.3 Minimum coil diameter and uniform configuration shall be observed whenever it is necessary to coil harness or cable assemblies. Kinking shall not be permitted under any circumstances.
- 3.1.4 Preformed items shall be packaged to ensure that the design configuration is retained when specified on the Engineering drawing.
- 3.1.5 No coil shall have an inside diameter of less than 10 times the item's largest cross-section diameter. Minimum inside coil diameter for solid metal jacketed coaxial (e.g. aljak, heliax, spir-o-line) shall be 36 inches regardless of item diameter.

CAUTION: ENSURE THAT WIRES ARE NOT STRAINED AT SPLICED AREAS OR PROCESSED TERMINATION POINTS WHEN COILING.

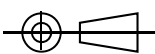
- 3.1.6 Processed terminations, couplings, fittings, etc., shall conform to the configuration and not be forced into the coil void space.

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)
- 3.2.2 When coiling is employed, items shall be coiled in successive turns or layers in uniform, compact configurations on spools or reels, or coiled and secured within suitable containers.
- 3.2.3 Coiled assemblies shall be adequately secured by blocking, bracing, cushioning, affixing to core spools, and/or by placing tape or strapping equally spaced around the circumference of the coil to ensure that the configuration of the coiled layers is maintained. Spools and reels (wood, steel or fiber) are acceptable if their drum diameters meet the minimum coil diameter (bend radius) requirements and if they will accommodate the bulk and weight of the item. Steel strapping shall not be used. When used, the flanges of any spool or reel shall extend beyond the coiled unit.
- 3.2.4 Heliax cable shall be coiled on a fixed reel within a container. Blocking and bracing shall not be used for heliax cable.

THIRD
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PROJECTION



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PROCUREMENT
SPECIFICATION
NONE

TITLE
**ELECTRICAL HARNESS – CABLE ASSEMBLIES,
PACKAGING OF**

CLASSIFICATION
PACKAGING STANDARD

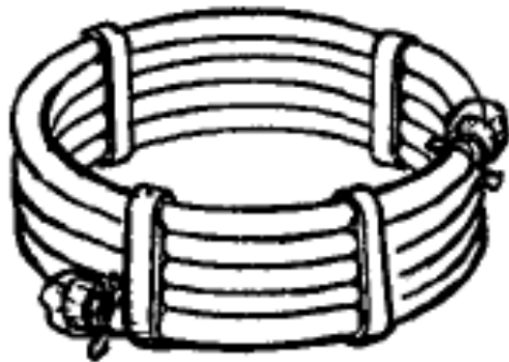
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NOTE: Steel spools shall not be used with solid metal-jacketed coaxial cables.

- 3.2.5 All unit openings shall be closed with protective plugs or caps. Alternate methods which provide the intended protection are acceptable.
- 3.2.6 All cable harness terminations shall be wrapped or bagged with plastic material taped or tied in place, then overwrapped with cushioning material.



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.

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.

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

FORM 12-01

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