

Coded Note Number: **C3110**

Revision Level: **C001**

Date: **April 4, 2017**

Title: **ELECTRIC CABLE (MIL-C-24643) REQUIREMENTS**

This revision history is provided for convenience and does not alleviate the supplier's responsibility with understanding and complying with the full coded note.

Change from Revision A – Editorial change to reformat to current standard.

Bolded font indicates changed/added content.

[Text deleted] inserted in the document indicates the removal of content.

The cable furnished must be on reels containing one continuous length of cable. At least 90% of the material shipped shall be the standard length (+/- 10% or longer). The remaining 10% may be random lengths as defined by the procurement specification. Random lengths in excess of 10% of the shipment may be approved by VIR. The longest lengths and fewest reels possible are desired, not to exceed 8,000 lbs gross weight per reel.

Reel design, placement of cable on reels, cushioning and/or lagging shall be as specified in WC-26. Non-returnable reels shall be used when practical. Empty returnable reels will be returned for credit, cheapest way charges collect. Full credit must be allowed for reels in good condition, if returned not later than 60 days after completion of the vessel.

In addition to the standard reel markings required by the procurement specification, each reel must be clearly marked, on both flanges, with the following information:

- Newport News Part Number (NNPN)
- Purchase Order and Release Number (PO)
- Mark if Reel is Returnable
- Manufacturing Lot Number

The reels shall be numbered sequentially in the order of the progressive serial numbers. The reel number shall consist of the purchase order item number and a unique decimal addition (such as 1.1; 1.2; 1.3; 2.1; 2.2; 3.1 etc.) for each reel. This unique number may only be used once per purchase order.

For blanket purchase orders, the vendor may use a three digit numbering system containing a "- number" to indicate the release number. Examples of reel numbering required:

Purchase Order #	Release #	Item #	Reel#
P95S-1234	1	1	1.1
P95S-1234	1	1	1.2
P95S-1234	1	2	2.1
P95S-1234	2	1	1.3
P95S-1234	2	2	2.2
P95S-1234	3	1	1.4

Vendor option:

Purchase Order #	Release #	Item #	Reel#
P95S-1234	1	1	1.1-1
P95S-1234	1	1	1.2-1
P95S-1234	1	2	2.1-1
P95S-1234	2	1	1.1-2
P95S-1234	2	2	2.1-2
P95S-1234	3	1	1.1-3

In addition to furnishing the results of the examination and tests required by the procurement specification, the first and last progressive serial/footage numbers contained on each reel shall be listed with the unique reel number.

Reel marking must be 3/4" flat back Dymo embossing tape (or equal) having letters 1/2" high or larger. The tape is to be securely fastened with two 1/2" staples at both ends. Alternative methods of marking (e.g. stencil, pre-printed labels) are acceptable provided all the required information is included and lettering is clearly printed in 1/2" high letters using indelible/waterproof paint/ink and securely attached with 1/2" staples or better or stenciled.

All cable ends shall be protected and sealed in accordance with one of the following methods:

- A. The ends shall be wrapped with tape conforming to PPP-T-60 Type IV, applied over the end and extending back from the end approximately 4 inches.
- B. The ends shall be sealed by dipping to a minimum 2 inch depth in compound conforming to MIL-P-149.

- C. The ends shall be sealed with neoprene caps fastened with hose clamps or wire. Caps shall be approximately 4 inches long.
- D. The ends shall be sealed with heat shrinkable plastic caps secured to the ends of cable in a manner that will retain the caps firmly in place during shipment.