

Public Notice of the Development of a Provisional Amendment by The Association of Electrical Equipment and Medical Imaging Manufacturers (NEMA) in accordance with ANNEX B of ANSI Essential Requirements
www.ansi.org/essentialrequirements)

The proposed Provisional Amendment to ANSI/NEMA WC 55021-2013 – *Military Internal Electrical Cable* is to resolve a supply shortage of marker tape printed with the cable part number. This has caused delays in the production of cable and disrupted the manufacture of aerospace equipment.

The alternative marking method proposed is already an accepted industry practice under similar standards such as ANSI/NEMA WC 27500-2015 – *Aerospace and Industry Electrical Cable*.

The proposal is to revise paragraph 3.3.6 of the standard as follows:

3.6.6 Cable Identification The method of identification shall be compatible with the cable construction as indicated by cable designation (see 2.2). Identification shall be at intervals of 1 to 3 feet and may be by marking of the outer jacket, or component wires or tape placed beneath the shield or jacket. The marking shall be of a contrasting color. Finished shielded, or jacketed or shielded and jacketed cables may have identifying print on any of the component wires, except in no case shall it be applied on wire sizes smaller than 28 AWG. All materials used for identification shall conform to the environmental requirements of the particular construction. The identification shall be clear and legible and shall include the following:

Cable part Number, manufacturer's name or CAGE code (CAGEC), and year of manufacture.

Example: M55021-S16E-905-904-903-902-901S09 12345 2013

Finished unshielded and unjacketed cable shall be identified with the printed marking of a contrasting color applied to the surface of any of the wires in a multi-conductor cable (see example above), except for cable with conductor sizes smaller than 24 AWG. The size of the printed characters shall be compatible with the basic wire size. No other printed marking shall be applied to the basic wire.

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