NEMA MW*775 93 ■ 6470247 0504499 552 ■

NEMA STANDARDS PUBLICATION NO. MW 775

nema

Manufacturer's Labeling for Magnet Wire Products

NEMA

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION ■ 2101 L STREET, N.W., WASHINGTON, D.C. 20037

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS
Not for Resale

Standards Publication No. MW 775-1993

MANUFACTURER'S LABELING FOR MAGNET WIRE PRODUCTS

Published by

National Electrical Manufacturers Association
2101 L Street, N.W.
Washington, DC 20037

©1993 by National Electrical Manufacturers Association

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS

Not for Resale

TABLE OF CONTENTS

Foreword i
Scope i

Section 1 REFERENCES AND DEFINITIONS 1
Section 2 FLANGE LABEL 3
Section 3 WRAPPER LABEL 5
Section 4 PALLET LABEL 7

--`,,`,,`-`-`,,`,,`,`,,`---

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS
Not for Resale

FOREWORD

The purpose of this Standards Publication is to provide magnet wire manufacturers guidelines for their primary product label. Data may appear on any of the labels in bar code form. The bar code symbology recommended is 3 of 9. When space presents a problem in bar code size, interleaved 2 of 5 may be used.

This standard is not intended to conflict with those standards already in place. The issuance or existence of this Standards Publication does not, in any respect, prevent or restrict any member or non-member of NEMA from using labeling practices not in conformance with its contents.

This Standards Publication has been developed by the NEMA Magnet Wire Section, which periodically reviews it for any revisions necessary to keep it current with changes in technology. Comments or proposed revisions are welcome and should be submitted to:

Vice President, Engineering Department
National Electrical Manufacturers Association
2101 L Street, N.W.
Washington, D.C. 20037-1526

SCOPE

This standard applies only to magnet wire products. It provides guidelines for the minimum information that is to appear on the wire manufacturers primary product labels. It is not intended to detract from the data the manufacturer includes, for his internal controls. For secondary or customer label see NEMA Standards Publication MW 770.

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS
Not for Resale

Section 1
REFERENCES AND DEFINITIONS

1.1 REFERENCES

Automated Identification Manufacturers (AIM)
634 Alpha Road
Pittsburgh, PA 15238

USS-I-2/5 1993	*Unified Symbology Specification for Interleaved 2/5*
USS-39 1993	*Unified Symbology Specification for Code 39*

1.2 DEFINITIONS

1.2.1 Flange Label

A label affixed to the flange of a spool or reel identifying that one item. Also referred to as a primary label, work in progress label and/or spool or reel label.

1.2.2 Wrapper Label

A label affixed to a wrapper, carton, pail or drum. Also referred to as a finished goods and/or scale label. With respect to a carton, the label will identify the total weight of the package.

1.2.3 Pallet Label

A label affixed to a pallet of material identifying material on the pallet.

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS

Not for Resale

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS

Not for Resale

Section 2
FLANGE LABEL

2.1 PLACEMENT

A label shall be affixed to the flange of each spool/reel for identification. The label should be in a location that allows the label to be read when the spool/reel is in its normal use position. The shape of the label may be changed from the normal rectangular shape to conform to the size of the spool/reel. If an adhesive is used, it should be a type which will prevent the label from easily coming off under normal handling processes.

2.2 PURPOSE

Due to the normal practice of removing the carton or wrapper from the spool/reel, this label provides product identification during use or after partial use.

2.3 DATA REQUIRED

At a minimum, the following data shall appear on the label.

a. Wire size (AWG or decimal dimension)
b. Product description—insulation type and build (This description may be in an abbreviated form)
c. Manufacturer's name or manufacturer's identification

Any or all of the above information may also be set in bar code form.

The manufacturer may elect to add other information to the label for the purpose of operational data collection.

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS

Not for Resale

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS

Not for Resale

Section 3
WRAPPER LABEL

3.1 PLACEMENT

A label shall be affixed to the wrapper (carton, pail, or drum) for identification. The label should be in a location that allows the label to be read when the wrapper is in its normal use, shipping or storage position.

3.2 DATA REQUIRED

The following items are the minimum required information for the carton or wrapper label.

a. Wire size (AWG or decimal dimension)
b. Product description—insulation type and build
c. Manufacturers's identification
d. Net weight

The above data may be in bar code form in addition to human readable form.

The manufacturer may elect to add other information to the label for the purpose of operational data collection.

All data on the label should be identified as to the title of the data item.

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS

Not for Resale

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS

Not for Resale

Section 4
PALLET LABEL

4.1 PLACEMENT

The label should be placed on the product so that the label is readable as the pallet is seen from the normal handling side, commonly the right hand front corner. Where product is placed more than one row deep on the pallet, the labels should be readable from the outside of the pallet.

4.2 DATA REQUIRED

The label affixed to the pallet shall contain all of the information from the wrapper/carton label, except the weight which shall be the summary or total net weight for the total pallet.

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS
Not for Resale

NEMA STANDARDIZIATION BACKGROUND

The purpose of NEMA standards, their classification, and status are set forth in certain clauses of the NEMA *Standardization Policies and Procedures* manual and are referenced below:

Purpose of Standards

National Electrical Manufacturers Association Standards are adopted in the public interest and are designed to eliminate misunderstandings between the manufacturer and the purchaser and to assist the purchaser in selecting and obtaining the proper product for their particular needs. Existence of a National Electrical Manufacturers Association Standard does not in any respect preclude any member or nonmember from manufacturing or selling products not conforming to the standard.

Definition of a Standard

A standard of the National Electrical Manufacturers Association defines a product, process, or procedure with reference to one or more of the following: nomenclature, composition, dimensions, tolerances, safety, operating characteristics, performance, rating, testing, and the service for which they are designed.

(Standardization Policies and Procedures, p. 1)

Dimensions

Where dimensions are given for interchangeability purposes, alternate dimensions satisfying the other provisions of the Standards Publication may be capable of otherwise equivalent performance.

(Standardization Policies and Procedures, p. 6)

Categories of Standards

National Electrical Manufacturers Association Standards are of three classes, which have received the affirmative vote of at least two-thirds of the Subdivision votes cast in the affirmative or negative:

1. NEMA Standard, which relates to a product, process, or procedure commercially standardized and subject to repetitive manufacture.
2. Suggested Standard for Future Design, which may not have been regularly applied to a commercial product, but which suggests a sound engineering approach to future development.
3. Adoptive Standard, which is adopted in whole or in part from the standards of another organization, either domestic, regional, or international.

(Standardization Policies and Procedures, pp. 5)

Authorized Engineering Information

Authorized Engineering Information consists of explanatory data and other engineering information of an informative character not falling within the classification of NEMA Standard or Suggested Standard for Future Design, which standard has received the affirmative vote of at least two-thirds of the Subdivision votes cast in the affirmative or negative.

(Standardization Policies and Procedures, pp. 5)

Identification of Status

Standards in NEMA Standards Publications are identified as "NEMA Standard," "Suggested Standard for Future Design," or "Adoptive Standard." These indicate the status of the standard. A statement incorporating the auxiliary verb "shall" indicates that compliance with a requirement is mandatory for compliance with the standard. These classes of standards are identified in the foreword or throughout the text.

The material identified as "Authorized Engineering Information" is designated similarly. Statements incorporating other auxiliary verbs such as "should," "may," etc. refer to the authorized engineering information and not to procedures required for compliance with the standard.

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS
Not for Resale

MAGNET WIRE SECTION
OF THE
NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

MEMBER COMPANIES

Alcatel Canada Wire Inc.
Magnet Wire Group
La Grange, KY 40031

American Wire Corporation
Sandy Hook, CT 06482

Elektrisola, Inc.
Boscawen, NH 03303

Magnetek Lighting Products
Gallman, MS 39077

Phelps Dodge Magnet Wire Company
Fort Wayne, IN 46801

Southwire Specialty Products
Osceola, AR 72370

Westinghouse Electric Corporation
Abingdon, VA 24210

The Bridgeport Insulated Wire Company
Bridgeport, CT 06610

Chicago Magnet Wire Corporation
Elk Grove Village, IL 60007

Essex Group, Inc.
Industrial Products Division
Fort Wayne, IN 46801-1510

Optec D D USA Inc.
St. Louis, MO 63139

Rea Magnet Wire Company, Inc.
Fort Wayne, IN 46896

Texas Magnet Wire Company
El Paso, TX 79927

Copyright National Electrical Manufacturers Association
Provided by IHS under license with NEMA
No reproduction or networking permitted without license from IHS
Not for Resale