



NECA/NACMA 120-2018

AN AMERICAN NATIONAL STANDARD



Standard for Installing

Installing Armored Cable (AC) and Metal-Clad Cable (MC)

Published by
National Electrical
Contractors Association



Jointly developed with
NACMA



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Revision History	
NECA 120-2006	07-2006
NECA 120-2012	03-2013
NECA 120-2018	08-2018

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ISBN: 978-1-944148-25-6

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(This foreword is not a part of the standard)

Foreword

National Electrical Installation Standards[™] are designed to improve communication among specifiers, purchasers, and suppliers of electrical construction services. They define a minimum baseline of quality and workmanship for installing electrical products and systems. *NEIS*[™] are intended to be referenced in contract documents for electrical construction projects. The following language is recommended:

Type AC and MC Cables shall be installed in accordance with NECA/NACMA 120, *Standard for Installing Armored Cable (AC) and Metal-Clad Cable (MC)* (ANSI).

Use of *NEIS*[™] is voluntary, and neither the National Electrical Contractors Association nor the National Armored Cable Manufacturers Association assume any obligation or liability to users of this publication. Existence of a standard shall not preclude any member or non member of either organization from specifying or using alternate construction methods permitted by applicable regulations.

This publication is intended to comply with the edition of the National Electrical Code[®] (NEC) in effect at the time of publication. Because they are quality standards, *NEIS* may in some instances go beyond the minimum safety requirements of the NEC. It is the responsibility of users of this publication to comply with state and local electrical codes when installing electrical products and systems.

Suggestions for revisions and improvements to this standard are welcome. They should be addressed to:

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1. Scope

This standard covers the identification, selection, and installation of Type AC and Type MC cables, which are used for electrical wiring for residential, commercial and industrial occupancies. It also includes information on fittings and other accessories necessary for a quality installation of these cable systems.

This standard is intended to enhance electrical safety by:

1. Ensuring that the proper cable is selected for the installation.
2. Describing proper installation methods for Type AC and MC cables.
3. Aiding installers in meeting the “neat and workmanlike” requirements of the NEC.
4. Creating an installation that will protect the wire conductors from physical damage.

1.1 Regulatory and Other Requirements

a) All information in this publication is intended to conform to the National Electrical Code (ANSI/

NFPA Standard 70). Installers should always follow the NEC, applicable state and local codes, and manufacturers’ instructions when installing electrical products and systems.

b) Only qualified persons as defined in the NEC familiar with the construction and installation of Type AC and Type MC cables should perform the technical work described in this publication. Administrative functions and other tasks can be performed under the supervision of a qualified person. All work should be performed in accordance with NFPA 70E, *Standard for Electrical Safety in the Workplace*.

c) General requirements for installing electrical products and systems are described in NECA 1- 2015, *Standard for Good Workmanship in Electrical Construction* (ANSI). Other *National Electrical Installations Standards* provide guidance for installing particular types of electrical products and systems. A complete list of *NEIS* is provided in Annex A.