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Foreword

This Standard is intended to define general requirements, performance requirements, test methods, and marking for Type EB-20, Type EB-35, Type DB-60, Type DB-100, and Type DB-120 PVC plastic utilities ducts. The PVC duct specified in this Standard is intended for installation underground for communications and electrical wire and cable:

User needs have been considered during the development of this Standard.

The Polymer Raceway Products Section (5TC) of NEMA, through its Members, has worked (and continues to work) closely with such organizations as ASTM, the Plastics Pipe Institute, appropriate government agencies, testing laboratories, and others in the periodic review and revision of these Standards for any changes necessary to remain current.

The NEMA Polymer Raceway Products Section will periodically review this Standard and revise the adoptions or modifications as necessary. Proposed or recommended revisions can be submitted to:

NEMA Technical Operations Department
National Electrical Manufacturers Association
1300 North 17th Street, Suite 900
Rosslyn, Virginia 22209

NEMA TC 6 & 8-2020 is a revision of NEMA TC 6 & 8-2013. NEMA TC 6 & 8-2013 revised and superseded NEMA TC 6 & 8-2003. NEMA TC 6 & 8 was prepared by a subgroup of the NEMA Polymer Raceway Products Section’s Technical Committee. During the preparation phase, the following were active participants:

David Kendall—ABB, Inc.
Ray Horner—Atkore International
Brian Deacy—Atkore International
Andrew Nause—IPEX USA, LLC.

NEMA TC 6 & 8-2020 was approved by the NEMA Polymer Raceway Products Section. Approval does not necessarily imply that all Members of the Section voted for its approval. At the time of approval, the Section consisted of the following Members:

ABB, Inc.—www.abb.com—Memphis, TN
Anamet Electrical, Inc.—www.anacondasealtite.com—Mattoon, IL
Atkore International—www.atkore.com—Harvey, IL
Champion Fiberglass, Inc.—www.championfiberglass.com—Spring, TX
Electric-Flex Company—www.electriflex.com—Roselle, IL
FRE Composites Group—www.frecomposites.com—St. Andre-d’Argenteuil, PQ, Canada
Hubbell Incorporated—www.hubbell.com—Shelton, CT
IPEX USA, LLC.—www.ipexinc.com—Mississauga, ON, Canada
Legrand North America—www.legrand.us—West Hartford, CT
Panduit Corporation—www.panduit.com—Tinley Park, IL
Phoenix Contact—www.phoenixcontact.com—Middletown, PA
Southwire Company—www.southwire.com—Carrollton, GA
Underground Devices, Inc.—www.uddevices.com—Northbrook, IL
United Fiberglass of America—www.unitedfiberglass.com—Springfield, OH

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Section 1
General

1.1 Scope

This Standard defines general requirements, performance requirements, test methods, and marking for the following types of PVC plastic utilities duct. The PVC duct specified in this Standard is intended for installation underground for communications and electrical wire and cable:

- Type EB-20 Designed for burial encased in concrete
- Type EB-35 Designed for burial encased in concrete
- Type DB-60 Designed for direct burial without encasement in concrete
- Type DB-100 Designed for direct burial without encasement in concrete
- Type DB-120 Designed for direct burial without encasement in concrete

Type DB products can also be used for concrete encased applications where specified.

Fittings designed for use with the ducts covered by this Standard are described in NEMA TC 9 Fittings for Polyvinyl Chloride (PVC) Plastic Utilities Duct for Underground Installation.

Note: The values stated in U.S. customary units are to be regarded as the Standard.