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Fittings for Polyvinyl Chloride (PVC) Plastic Utilities Duct for Underground Installation

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Foreword

In the preparation of this Standards Publication, input of users and other interested parties has been sought and evaluated. Inquiries, comments, and proposed or recommended revisions should be submitted to the concerned NEMA product Subdivision by contacting the:

Vice President, Engineering
National Electrical Manufacturers Association
1300 North 17th Street
Rosslyn, Virginia 22209

AFC Cable Systems—www.afcweb.com—New Bedford, MA
CANTEX, Inc.—www.cantexinc.com—Mineral Wells, TX
Carlon, Lamson & Sessions—www.carlon.com—Cleveland, OH
Champion Fiberglass, Inc.—www.championfiberglass.com—Spring, TX
FRE Composites Corporation—www.frecomposites.com—St. Andre-d'Argenteuil, PQ, Canada
Heyco Products, Inc.—www.heyco.com—Toms River, NJ
Hubbell Incorporated—www.hubbell.com—Orange, CT
IPEX, Inc.—www.ipexinc.com—Mississauga, ON, Canada
Panduit Corporation—www.panduit.com—Tinley Park, IL
Picoma Industries—www.beckmfg.com/aboutpic.com—Waynesboro, PA
Thomas & Betts Corporation—www.tnb.com—Memphis, TN
Underground Devices, Inc.—www.uddevices.com—Northbrook, IL
Wiremold Corporation—www.wiremold.com—West Hartford, CT

The members of the working group who contributed to the development of this standard are:

CANTEX, Inc.—www.cantexinc.com—Mineral Wells, TX
Carlon, Lamson & Sessions—www.carlon.com—Cleveland, OH
IPEX, Inc.—www.ipexinc.com—Mississauga, ON, Canada
Section 1
GENERAL

1.1 SCOPE

This standard defines general requirements including materials, trade sizes, dimensions, and workmanship for the following types of fittings for PVC plastic utilities duct used for the underground installation of communication and electrical wire and cable:

a. Type EB – Designed for encased burial in concrete when installed in trenches underground.
b. Type DB - Designed for direct burial in trenched underground without a requirement for encasement in concrete. Type DB may also be encased in concrete.

NOTE—The values stated in U.S. customary units are to be regarded as the standard.

1.2 REFERENCED STANDARDS

In this publication, reference is made to the following ASTM standards. The latest editions shall be used. Copies are available from the indicated sources.

American Society for Testing and Materials (ASTM)
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
www.astm.org

D 883  Standards Terminology Relating to Plastics
D 1600  Standard Terminology for Abbreviated Terms Relating to Plastics
D 2749  Standard Symbols for Dimensions of Plastic Pipe Fittings
D 4396  Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) and Related Plastic Compounds for Non-Pressure Piping Products
F 412  Standard Terminology Relating to Plastic Piping Systems