



NEMA Standards Publication TC 1-2021

*Polyvinyl Chloride (PVC) Fittings for Use with
Rigid PVC Conduit and Tubing*

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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:

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Section 1 General

1.1 Scope

This Standard covers polyvinyl chloride (PVC) fittings intended to be joined in the field by means of a solvent cement system to PVC rigid conduit, tubing, or other fittings, based on the outside diameters given in NEMA TC 2-2020.

Included in this publication are requirements for materials, workmanship, dimensions, physical properties, couplings, female adapters, male terminals, junction box adapters, reducers, elbows, caps, and end caps. Methods of marking, inspection, and practices for indicating compliance with these Standards are also given. Junction boxes and access fittings are not included.

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

1.2 Referenced Standards

The following publications are adopted in part, by reference in this publication and are available from the organizations below. Unless otherwise noted, references are to the most recent edition.

American National Standards Institute (ANSI)

25 West 43rd Street
New York, NY 10018

ANSI/ASME B1.20.1-2013(R2018) *Pipe Threads, General Purpose (Inch)*

American Society for Testing and Materials (ASTM)

100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

D618-21 *Standard Practice for Conditioning Plastics for Testing*
D883-20b *Standard Terminology Relating to Plastics*
D1600-18 *Standard Terminology for Abbreviated Terms Relating to Plastics*
D1784-20 *Standard Classification System and Basis for Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds*
D2855-20 *Standard Practice for the Two-Step (Primer and Solvent Cement) Method of Joining Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Piping Components with Tapered Sockets*
F412-20a *Standard Terminology Relating to Plastic Piping Systems*

Government Services Administration (GSA)

Specification Section
7th and D Streets, SW, Room 6654
Washington, DC 20407

FED-STD-H28/2 (2019) *Screw-Thread Standards for Federal Services, Section 2, Unified Inch Screw Threads—UN and UNR Thread Forms*