

NEMA TC 19-2017

Standard for Nonmetallic Riser U-type Guards

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Nonmetallic Riser U-type Guards

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Foreword

This standard for PVC (polyvinyl chloride) and PE (polyethylene) nonmetallic riser U-type guards for use in protecting riser cables in utility poles is intended to:

- a) list dimensions and other significant requirements
- b) set forth some of the properties of these products
- c) assist in selecting and obtaining the proper product for a particular need.

User needs have been considered through the development of this standard.

NEMA TC 19 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:

Anamet Electrical, Inc., Mattoon, IL, www.anacondasealtite.com
AFC Cable Systems, a part of Atkore International, New Bedford, MA, www.afcweb.com
Allied Tube and Conduit, a part of Atkore International, Harvey, IL, www.alliedtube.com
Champion Fiberglass, Inc., Spring, TX, www.championfiberglass.com
Electri-Flex Company, Roselle, IL, www.electriflex.com
FRE Composites, St. Andre-d'Argenteuil, PQ, Canada, www.frecomposites.com
Hubbell Incorporated, Shelton, CT, www.hubbell.com
IPEX Group, Mississauga, ON, Canada, www.ipexinc.com
Legrand North America, West Hartford, CT, www.legrand.us
Panduit Corporation, Tinley Park, IL, www.panduit.com
Royal Building Products, Shelby Township, MI, www.royalbuildingproducts.com
Southern Pipe, Inc., New London, NC, www.southernpipe.com
Southwire Corporation, Carrollton, GA, www.southwire.com
Thomas & Betts, a member of the ABB Group, Memphis, TN, www.tnb.com,
Underground Devices, Inc., Northbrook, IL, www.udevices.com
United Fiberglass of America, Springfield, OH, www.unitedfiberglass.com

The Plastics Pipe Institute, in particular, was helpful in the development of TC 19.



The following were part of a task group involved in the development and updating of NEMA TC 19:

IPEX Group
Southwire Corporation
Plastics Pipe Institute

The NEMA Polymer Raceway Products Section will periodically review this standard and revise it as necessary.

Proposed or recommended revisions can be submitted to:

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

Section 1 General

1.1 Scope

This standard covers PVC and PE nonmetallic riser U-type guards intended to protect riser cables on utility poles.

1.2 Referenced Standards

In this publication, reference is made to the standards listed below. Copies are available from the indicated sources.

ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428

D3350	<i>Standard Specification for Polyethylene Plastic Pipe and Fittings Materials</i>
D618	<i>Standard Practice for Conditioning Plastics for Testing</i>
D883	<i>Standard Terminology Relating to Plastics</i>
D1435	<i>Standard Practice For Outdoor Weathering of Plastics</i>
D1600	<i>Standard Terminology for Abbreviated Terms Relating to Plastics</i>
D1784	<i>Standard Specification for Rigid Poly (Vinyl Chloride)(PVC) Compounds and Chlorinated Poly(Vinyl Chloride)(CPVC) Compounds</i>
F412	<i>Standard Terminology Relating to Plastic Piping Systems</i>
D4396	<i>Rigid Poly(Vinyl Chloride)(PVC) and Chlorinated Poly(Vinyl Chloride)(CPVC) Compounds for Plastic Pipe and Fittings Used in Non-Pressure Applications, Specification for</i>

Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062

UL 651	<i>Standard for Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings.</i>
UL 651A	<i>UL Standard for Safety for Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit</i>