



NEWS RELEASE

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Now Available...

NEW HDPE CONDUIT AND
DUCT HANDLING GUIDE FOR
POWER AND COMMUNICATIONS SYSTEMS

IRVING, Texas – Feb. 13, 2019 - The Plastics Pipe Institute, Inc. (PPI), the major trade association representing all segments of the plastic pipe industry, has just published an important user document for handling high-density polyethylene (HDPE) conduit. Available free on PPI's website, TN-58 "*HDPE CONDUIT & DUCT HANDLING GUIDE*" provides information about the safe handling of reels and coils of HDPE conduit and duct. This includes the potential risks when cutting open such reels and coils. Certain installation considerations are also addressed from the perspective of worker safety.

HDPE conduit, also known as PE conduit, is the preferred material to house and protect electrical power and communications cables in typical applications such as power utilities, telecommunications, CATV, SCADA, FTTH, ITS, highway lighting, and other underground utilities. Benefits of HDPE conduit, according to PPI, include availability in long lengths without joints, high strength, flexibility, proven reliability and installation toughness. PE conduit, including Cable in Conduit (CIC), is widely used in trenching, horizontal directional drilling (HDD) and plowing installation methods.

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“PE conduit has been used safely in thousands of applications,” stated Lance MacNevin, P. Eng., director of engineering for PPI's Power & Communications Division (PCD). “Still, there are precautions that should be adhered to when handling and transporting any product, and PE conduit is no exception.”

Prepared with input from PPI members who are industry experts, TN-58 covers a range of potential safety issues regarding the handling, unwinding, straightening and cutting of polyethylene conduit and duct. Several pictures and diagrams are used to illustrate specific issues. Topics include:

- Unloading PE Conduit in Free-Standing Reels
- Releasing the Outside Wrap of Reels or Coils and Cutting the Strapping
- Avoiding Entanglement of Conduit on Reels or Coils
- Straightening Coiled PE Conduit
- Safety when Cutting PE Conduit to Length

Tony Radoszewski, CAE, PPI president, added, “PPI members collaborated to list many potential safety issues, and how to avoid them, based on their years of experience.”

MacNevin added, “This new Guide is one of several PPI documents related to the design and installation of PE conduit that are published on our website as a service to the industry.”

The HDPE Conduit & Duct Handling Guide (TN-58) is available free and can be found on PPI's website via its homepage, under the “Publications” menu option, where a Technical Documents Index is provided. The direct link to TN-58 as published online is

<https://plasticpipe.org/pdf/tn-58.pdf>

Additional information can be found online at www.plasticpipe.org/power-comm.

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About PPI:

The Plastics Pipe Institute, Inc. (PPI) is the major North American trade association representing all segments of the plastic pipe industry and is dedicated to promoting plastic as the materials of choice for pipe and conduit applications. PPI is the premier technical, engineering and industry knowledge resource publishing data for use in the development and design of plastic pipe and conduit systems. Additionally, PPI collaborates with industry organizations that set standards for manufacturing practices and installation methods.