

## Directional Drilling Conduit Systems, PVC



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### 1. Scope

This standard covers the requirements for PVC continuous conduit systems for directional drilling construction projects.

PVC continuous conduit systems are not stocked or installed by Seattle City Light (SCL). These conduit systems are acquired and installed by contractors.

HPDE continuous conduit systems are outside the scope of this standard. See SCL 7017.07.

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### 2. Application

Directional drilling is an underground excavation method used to install pipe, conduit, and cable. The method uses a surface-launched drill rig with a steerable excavation system. The drill head steers the pilot bore.

The conduit systems cited in this standard have been reviewed and approved by SCL for use on our system.

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### 3. Industry Standards

PVC conduit shall meet the applicable requirements of the latest revision of the following industry standard:

**UL 651**; Standard for Schedule 40 and 80 Rigid PVC Conduit and Fittings

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#### 4. Requirements

PVC conduit shall meet the requirements of the latest revision of SCL 7015.05 with the following clarification: the requirements of SCL 7015.05 are waived where they conflict with the specific nature of the approved, directional drilling-designed joints.

PVC conduit shall be listed by Underwriters Laboratories (UL 651).

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#### 5. Marking

Each conduit section shall be marked according to the requirements of UL 651, Section 25.

The outer surface of each conduit section shall be marked with the following minimum information:

- Trade size
  - Schedule number or equivalent information
  - Manufacturer's name or symbol
  - Date (or period) of manufacture
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#### 6. Testing

Conduit test data that establishes compliance with the requirements of UL 651 and this standard shall be provided upon request.

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#### 7. Packaging

Conduit shall be furnished in 20-ft sections, unless specified otherwise.

Locking and sealing accessories shall be packaged with each conduit stick.

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#### 8. Approved Manufacturers

Can-Loc by Cantex

Certa-Com by NASP (North American Specialty Products LLC)

Bore-Gard by Prime Conduit

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#### 9. References

**SCL Material Standard 7015.05**; "Schedule 40 PVC Conduit and Fittings"

**SCL Material Standard 7017.07**; "Directional Drilling Conduit Systems, HDPE"

## 10. Sources

**City of Seattle Standard Specifications for Road, Bridge, and Municipal Construction**; 2008 edition

**Lu, Curtis**; SCL Standards Engineer and subject matter expert for 7017.05

**Shipek, John**; SCL Standards Supervisor and originator of 7017.05

**[www.cantexinc.com](http://www.cantexinc.com)**

**[www.naspecialtyproducts.com](http://www.naspecialtyproducts.com)**

**[www.primeconduit.com](http://www.primeconduit.com)**