

PART 1 - GENERAL

1.1 Related Sections

1. Section 26 05 00 Common Work Result – for Electrical.
2. Section 26 05 02 Electrical Basic Material and Methods.

1.2 References

1. Canadian Standards Association (CSA International)
 1. CAN/CSA C22.2 No. 18-98 (R2003), Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware, A National Standard of Canada.
 2. CSA C22.2 No. 211.2-M1984 (R2003), Rigid PVC (Unplasticized) Conduit.
 3. CSA C22.2 No. 45.1-07 Electrical Rigid Metal Conduit – Steel
 4. CSA C22.2 No. 227.1 Electrical Non-Metallic Tubing
 5. CSA C22.2 No. 85-M89 (R2006) Rigid PVC Boxes and Fittings
2. Ontario Provincial Standard Specifications
 1. OPSS 106 - General Specification for Electrical Work.
 2. OPSS 603 - Construction Specification for Installation of Duct.

1.3 Submittals

1. Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
2. Product data: submit manufacturer's printed product literature, specifications and datasheets.
3. Quality assurance submittals:
 - .1 Test reports: submit certified test reports.
 - .2 Certificates: submit certificates signed by manufacturer certifying that materials comply with specified performance characteristics and physical properties.
4. Instructions: submit manufacturer's installation instructions.

1.4 Waste Management And Disposal

1. Separate waste materials for reuse and recycling ~~in accordance with Section 01 74 21 – Construction/Demolition Waste Management and Disposal~~ to the extent possible.
2. Place materials defined as hazardous or toxic waste in designated containers.

3. Ensure emptied containers are sealed and stored safely for disposal away from children.

PART 2 - PRODUCTS

2.1 Conduits

1. Rigid pvc conduit: to CSA C22.2 No. 211.2.

2.2 Conduit Fittings

1. Fittings: to CAN/CSA C22.2 No. 18, manufactured for use with conduit specified.
2. Ensure factory "ells" where 90 degrees bends for 25 mm and larger conduits.

2.3 Fish Cord

1. Polypropylene.

PART 3 - EXECUTION

3.1 Manufacturer's Instructions

1. Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

3.2 Installation

1. Install PVC conduits underground, in accordance with OPSS 603 and as indicated.
2. Install electrical non-metallic tubing into sleeves in pole footings in accordance with OPSS 603 and as indicated.
3. Field threads on rigid conduit must be of sufficient length to draw conduits up tight.
4. Install fish cord in empty conduits.
5. Remove and replace blocked conduit sections.
 - .1 Do not use liquids to clean out conduits.
6. Dry conduits out before installing wire.

3.3 Conduits Underground

1. Slope conduits to provide drainage.

3.4 Cleaning

1. On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

***** END OF SECTION *****