

PART 1 - GENERAL

- 1.1 REFERENCES .1 Canadian Standards Association (CSA)  
.1 CSA C22.2 No. 211.2-06, Rigid PVC  
(Unplasticized) Conduit.

PART 2 - PRODUCTS

- 2.1 PVC DUCTS AND FITTINGS .1 Rigid PVC duct: to CSA C22.2 No. 211.2, with moulded fittings, for direct burial.  
.2 Rigid PVC bends, couplings, reducers, bell end fittings, plugs, caps, adaptors of same product material as duct, to make complete installation.  
.3 Rigid PVC 90° and 45° bends.  
.4 Rigid PVC 5° angle couplings.  
.5 Expansion joints where conduits exit ground.
- 2.2 SOLVENT WELD COMPOUND .1 Solvent cement for PVC duct joints.
- 2.3 CABLE PULLING EQUIPMENT .1 6 mm stranded polypropylene pull rope, tensile strength 5 kN, continuous throughout each duct run with 3 m spare rope at each end.
- 2.4 MARKERS .1 Refer to drawings for marker details.

PART 3 - EXECUTION

- 3.1 INSTALLATION
- .1 Install duct in accordance with manufacturer's instructions.
  - .2 Clean inside of ducts before laying.
  - .3 Open trench completely before conduits are laid and ensure that no obstructions will necessitate change in grade of conduits.
  - .4 Ensure full, even support every 1.5 m throughout duct length.
  - .5 Install conduits at elevations and slope ducts with 1 to 400 minimum slope.
  - .6 During construction, cap ends of ducts to prevent entrance of foreign materials.
  - .7 Pull through each duct mandrel not less than 300 mm long and of diameter 6 mm less than internal diameter of duct, followed by stiff bristle brush to remove sand, earth and other foreign matter. Pull stiff bristle brush through each duct immediately before pulling-in cables.
  - .8 In each duct install pull rope continuous throughout each duct run with 3 m spare rope at each end.
  - .9 Install markers.