

ITEM 662.74125025 - PLASTIC INNERDUCT – 1 ¼ INCH NOMINAL DIAMETER
ITEM 662.74125125 - SPLIT PLASTIC INNERDUCT – 1 ¼ INCH NOMINAL DIAMETER

1. DESCRIPTION:

- 1.01 This work shall consist of furnishing all labor, materials, tools, and equipment necessary for installing plastic innerduct as indicated on the plans or as directed by the Engineer. The innerduct is to be used for fiber optic cable facilities and will be placed as direct burial or in sleeves.

2. MATERIALS:

- 2.01 The innerduct shall be smooth-walled, inside and outside, High Density Polyethylene (HDPE) plastic Type SDR9 deliverable to the site on reels. All innerduct shall be acquired from the same vendor.
- 2.02 Each innerduct shall be solid color coded as shown on the plans.
- 2.03 Couplings shall be anodized, barbed reverse thread press-on poly duct couplers for HDPE innerduct.
- 2.04 The innerduct and couplers shall be submitted to the Engineer for approval.

3. CONSTRUCTION DETAILS:

- 3.01 The innerducts shall be placed as direct burial or in sleeves where shown on the plans.
- 3.02 The configuration of the color-coded innerducts shall be as shown on the plans. The innerducts shall be bundled together using an acceptable tape every three (3) feet to five (5) feet to prevent duct separation.
- 3.03 After installation each innerduct shall be tested for continuity using a nominal 1 ¼ inch diameter non-collapsible mandrel. The testing equipment shall be approved by the Engineer. Notification of all tests shall be made at least forty-eight (48) hours prior to testing. All testing shall be witnessed by the Engineer and a third party (if involved).
- 3.04 Couplings shall be installed in strict conformance with the manufacturer's recommendations.
- 3.05 Where the innerducts terminate at pullboxes, the Contractor shall break into the pullbox and seal the opening between the innerduct and pullbox with a watertight sealer approved by the Engineer.
- 3.06 The minimum bend radius shall be as indicated on the plans.

4. METHOD OF MEASUREMENT:

- 4.01 The innerducts shall be measured by the feet along the axis of the innerduct, of the size and type specified, installed according to the plans, Proposal, or as directed by the Engineer. Measurement shall include all couplings and bends.

5. BASIS OF PAYMENT:

- 5.01 The unit price bid per foot shall include the innerduct and all labor and materials necessary to complete the work, including couplings, testing and connection to pullboxes.
- 5.02 Excavation, backfill and sleeves for the innerducts shall be paid under separate items as indicated on the contract plans.