

**SECTION 10.14
CABLE IN DUCT**

10.14.01--Description: This item shall consist of furnishing and installing pre-assembled cable in duct of the size, number, and type of conductors specified at locations shown on the plans or as directed by the Engineer, and in accordance with these specifications.

10.14.02--Materials: The materials for this work shall conform to the requirements of Article M.15.12.

10.14.03--Construction Methods : The cable in duct shall be installed in trench encased in sand, or in conduit as shown on the plans or directed by the Engineer, in one straight continuous piece with no couplings, between light standard bases, between light standard base and handhole, or between handholes. Marking tape shall be installed in the trench at the depth and to the requirements as set forth in Article 1.05.15. The cable in duct shall be cut by an approved cutting tool in a manner that will not damage the conductors. The cable shall be installed in a neat and workmanlike manner, free from any surface damage.

Sufficient slack for splices shall be provided in cast iron junction boxes, concrete handholes, and light standard bases in accordance with the details. Splices shall be made only at approved locations and in accordance with NEC and insulated to maintain the voltage rating of the insulation of the conductor. All splices shall be made as shown on plans and details using approved waterproof devices and materials.

10.14.04--Method of Measurement: The length of cable in duct to be included for payment shall be the amount accepted and measured from centerline to centerline of light standards or concrete hand holes, as the case may be, plus 2.5 m.

10.14.05--Basis of Payment: This work will be paid for at the Contract unit price per meter for "Cable In Duct" of the size, type, and number of conductors specified, complete in place, which price shall include all materials such as terminators, sealing compound, connections, grounding, disposal of surplus material, and all equipment, tools and labor incidental thereto.

Necessary excavation, including sand encasement will be paid for as "Trenching and Backfilling" in accordance with the provisions of Article 10.01.05.

| Pay Item | Pay Unit |
|---------------------------|----------|
| Cable In Duct (No.--Size) | m |